

FIG. 1

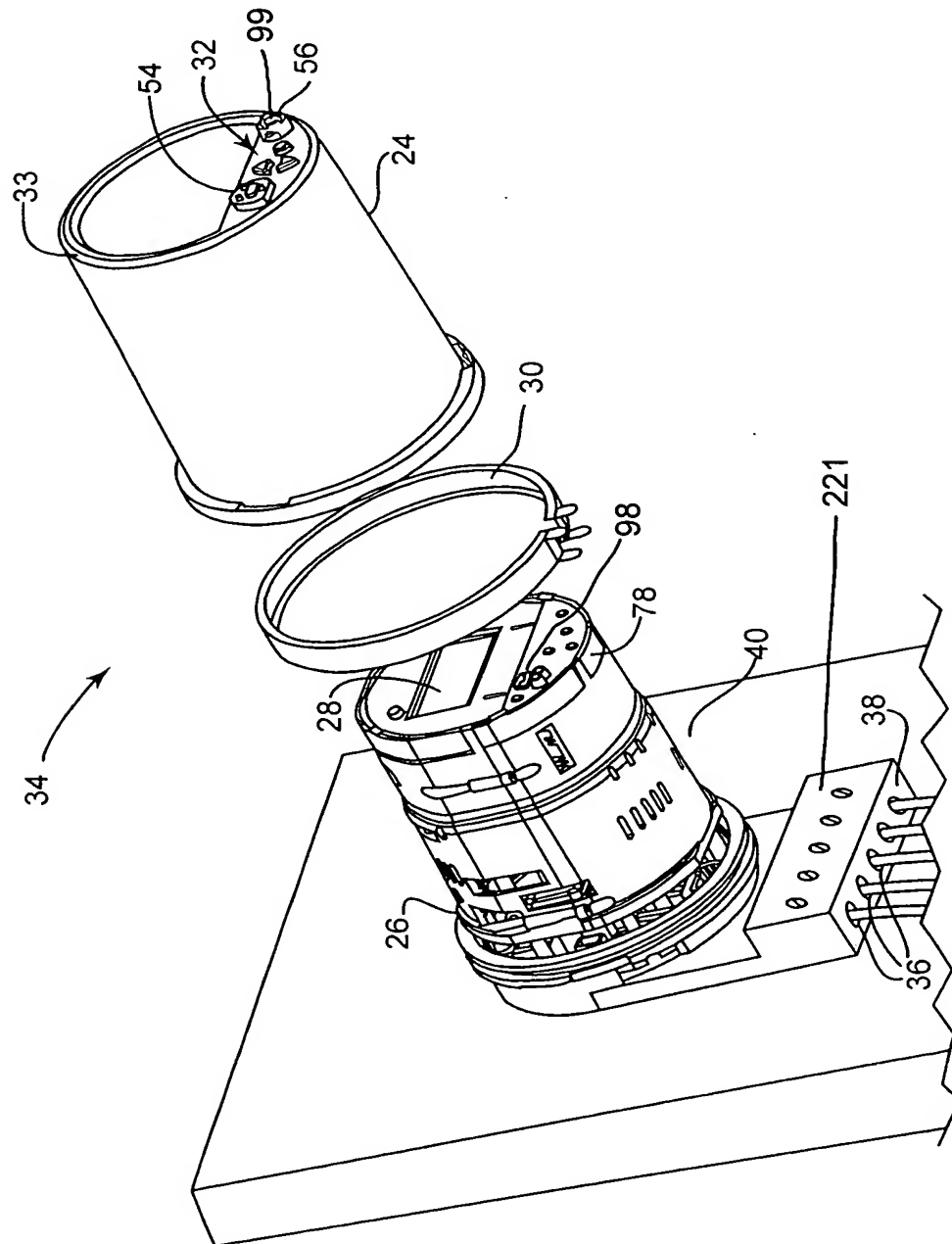
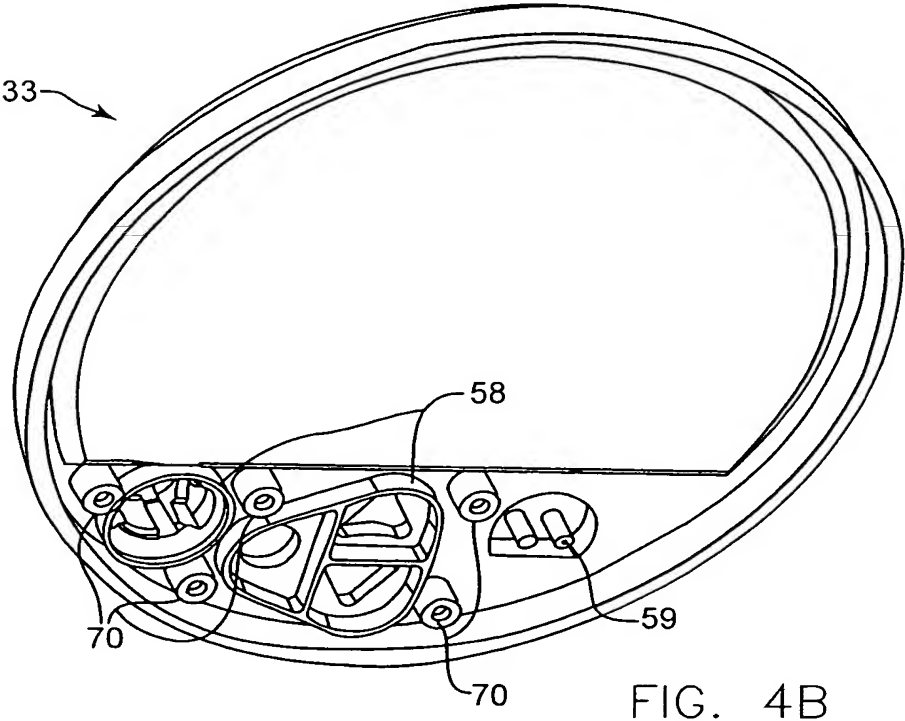
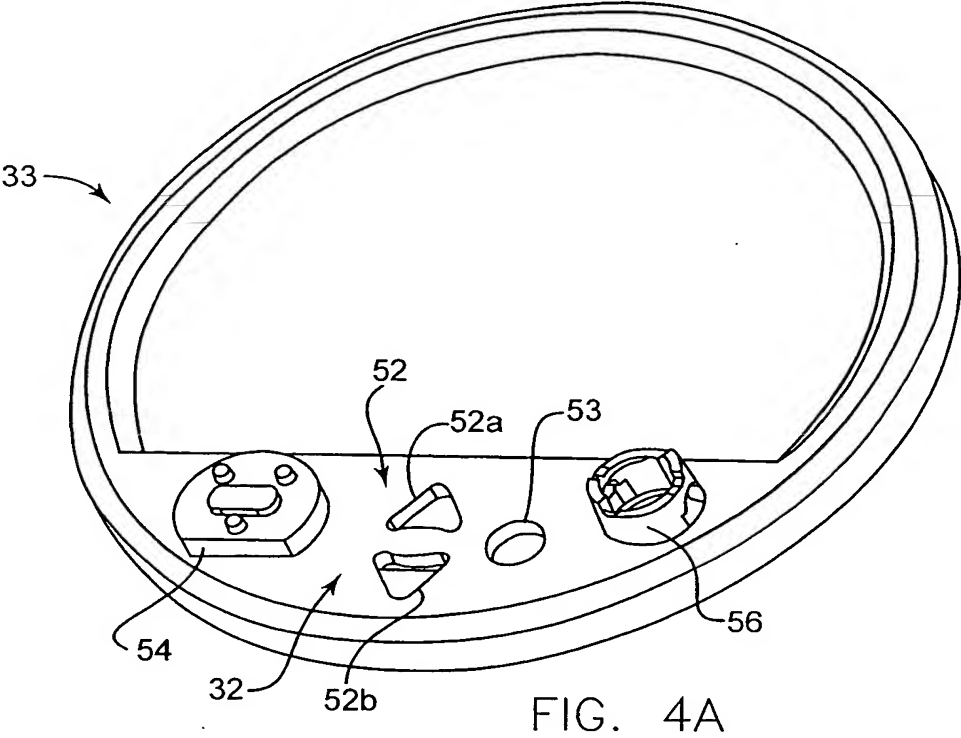


FIG. 2



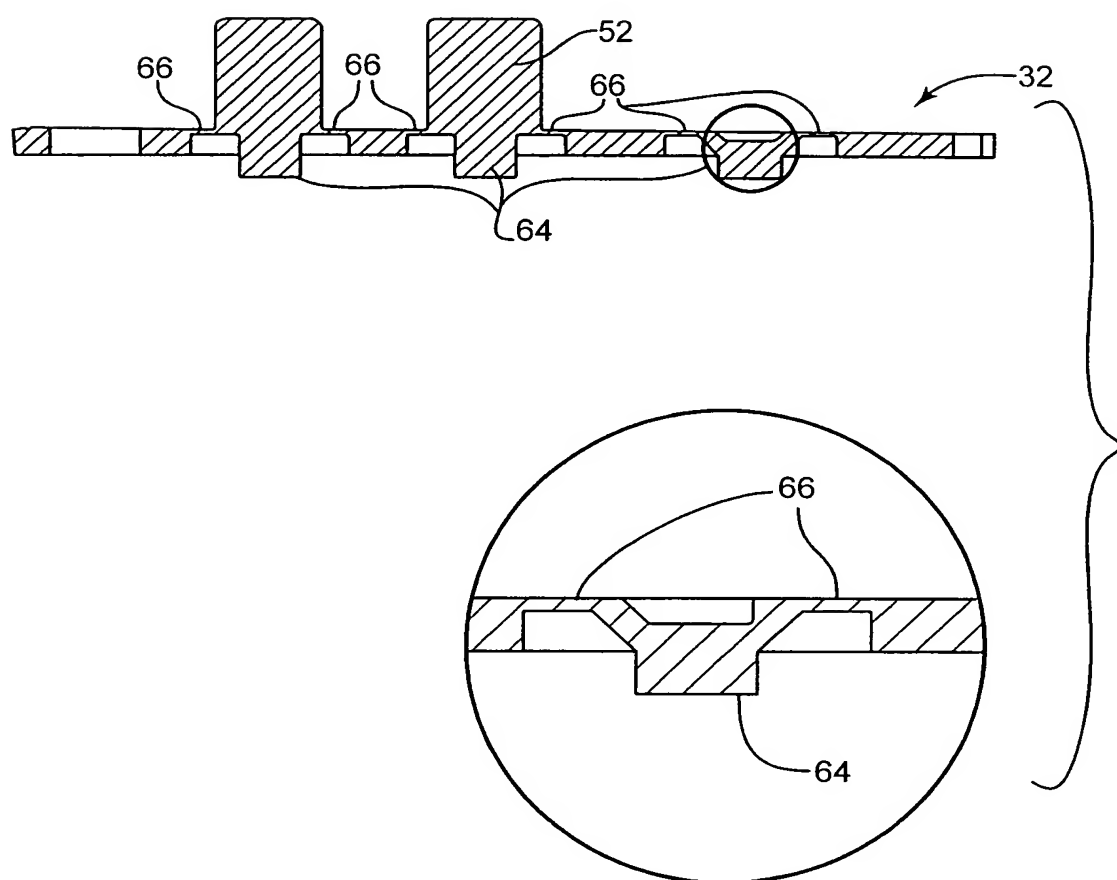
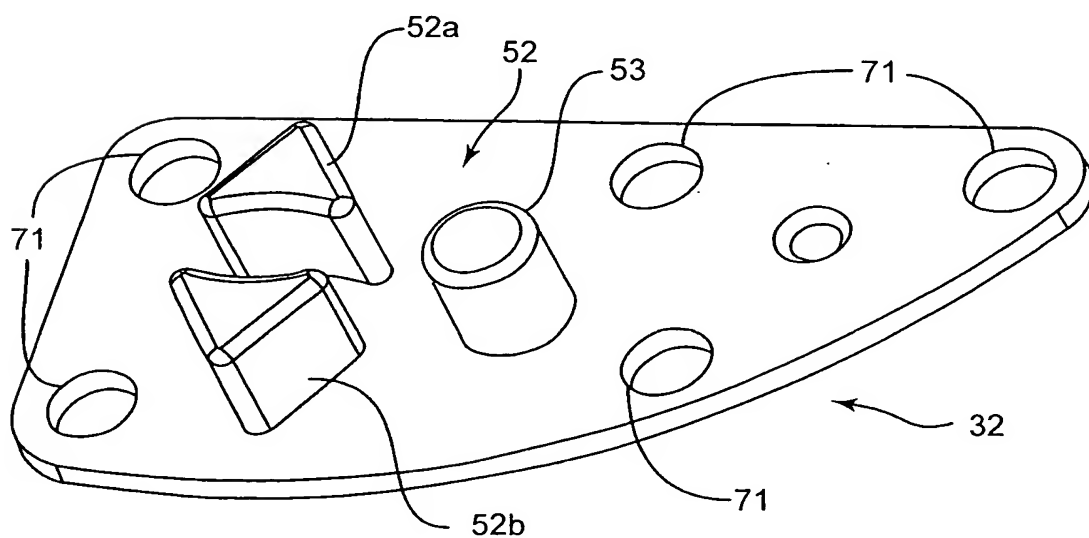
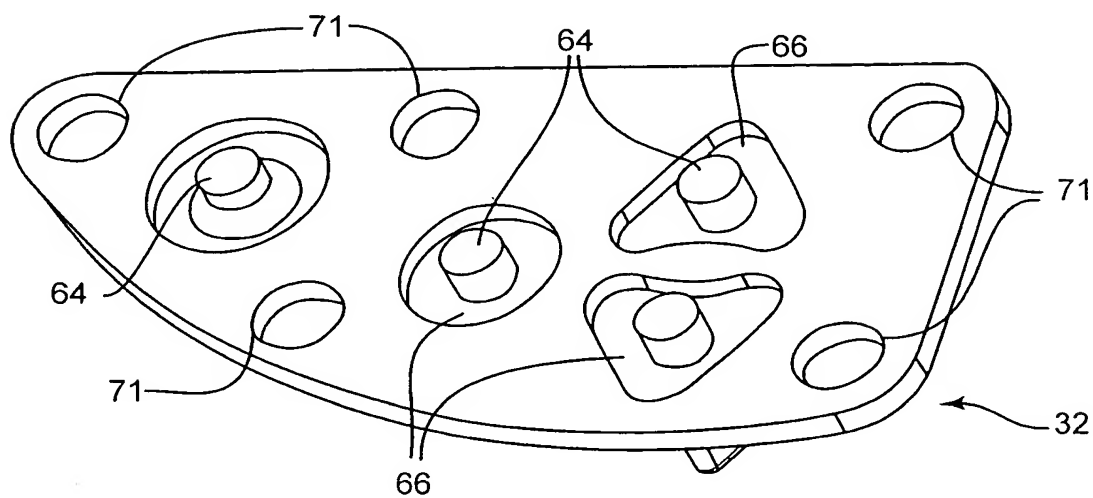


FIG. 5A



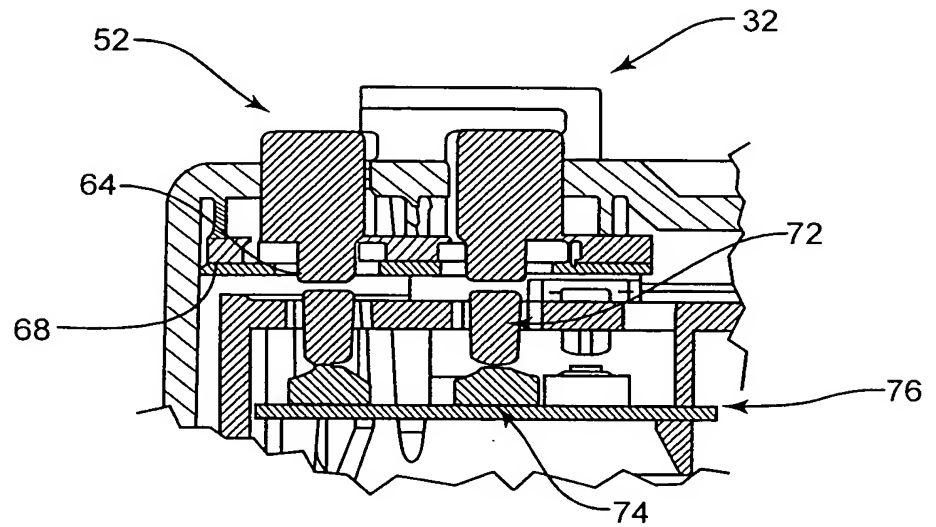


FIG. 6A

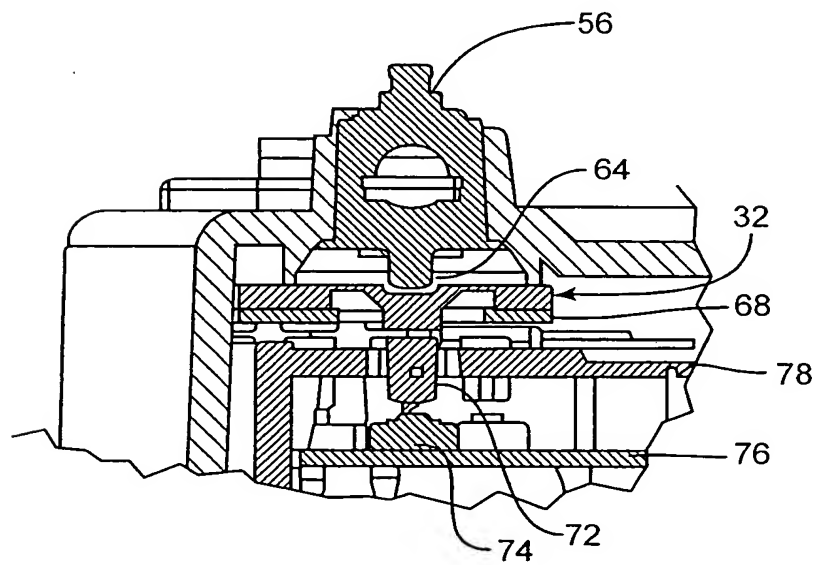


FIG. 6B

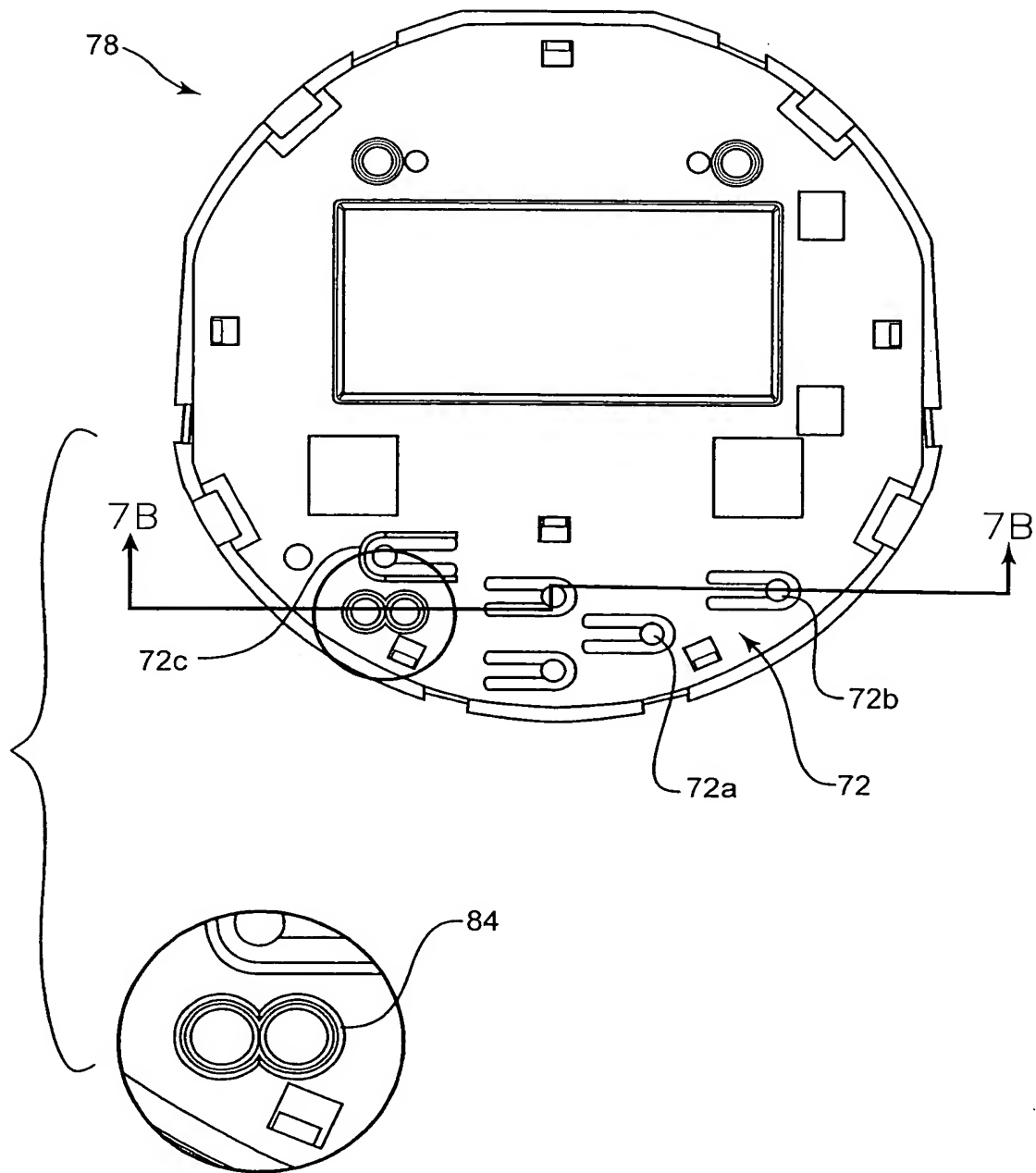


FIG. 7A

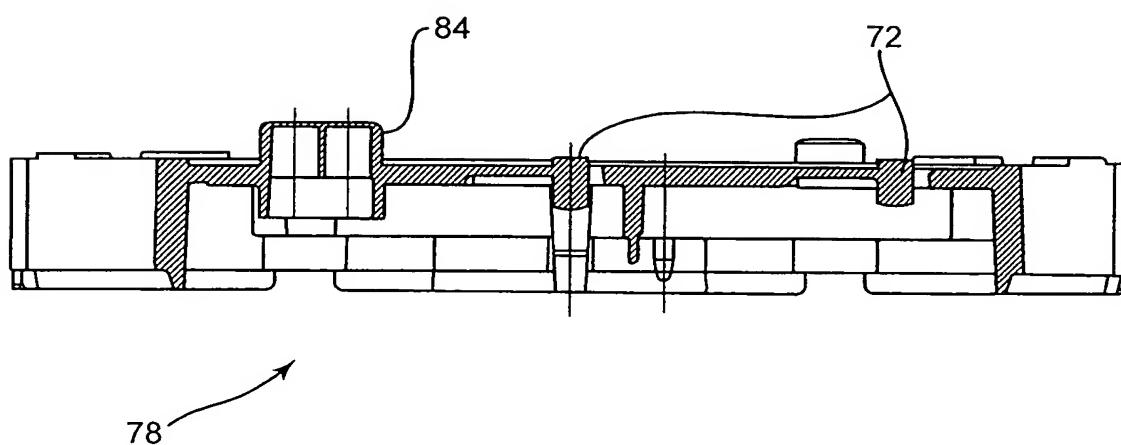
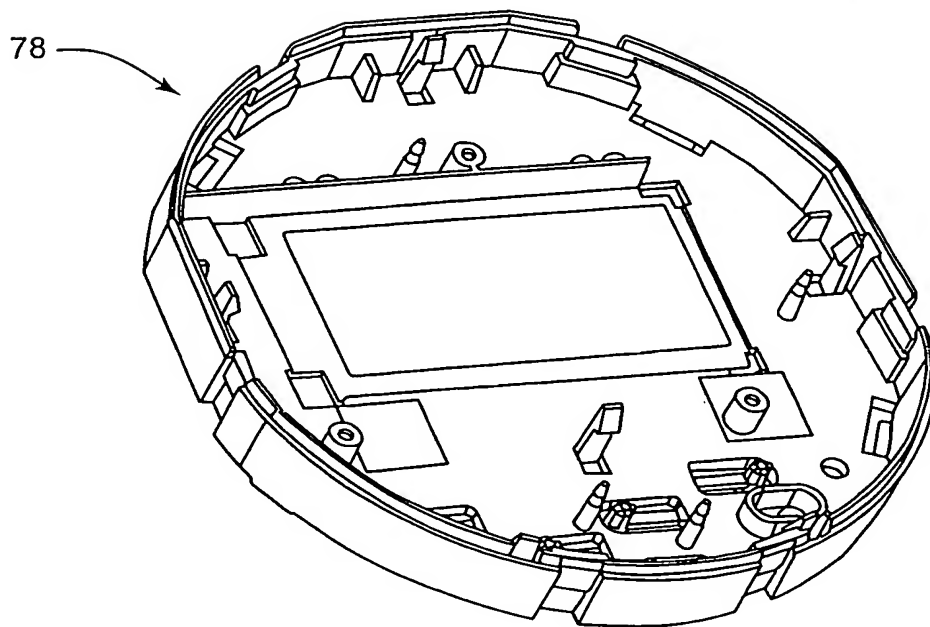
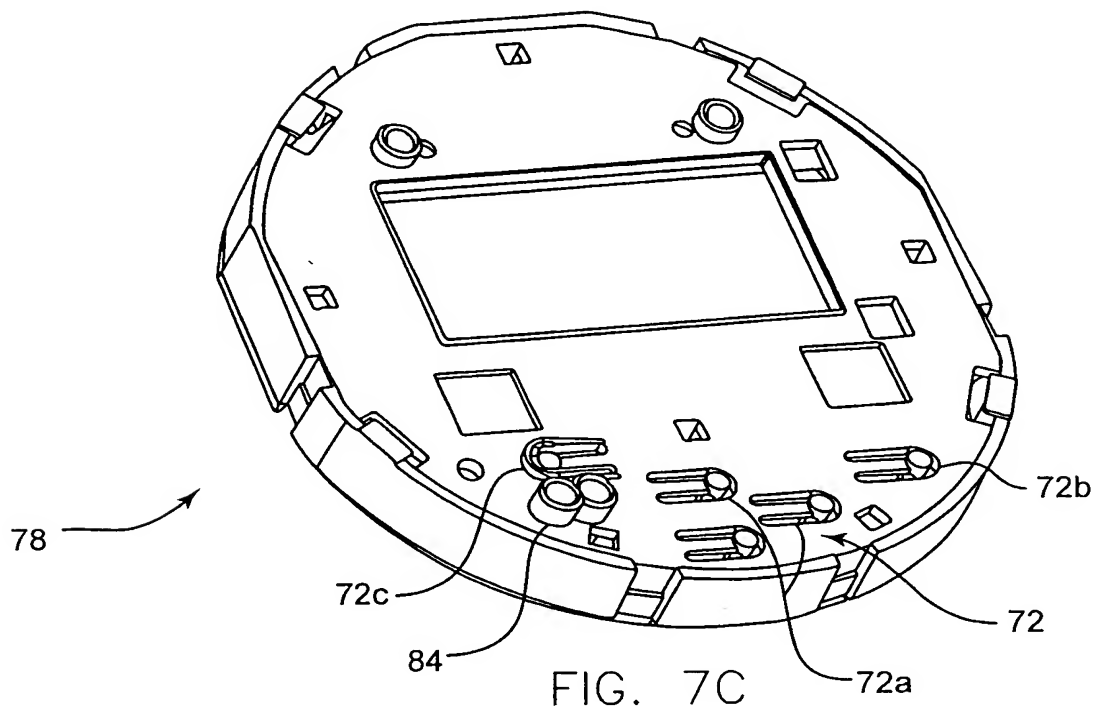


FIG. 7B

Patent Application For: INTERACTIVE USER INTERFACE FOR A REVENUE METER

Inventor(s): David W. Giles et al

Attorney Docket No.: OUR CASE NO. 6270/125



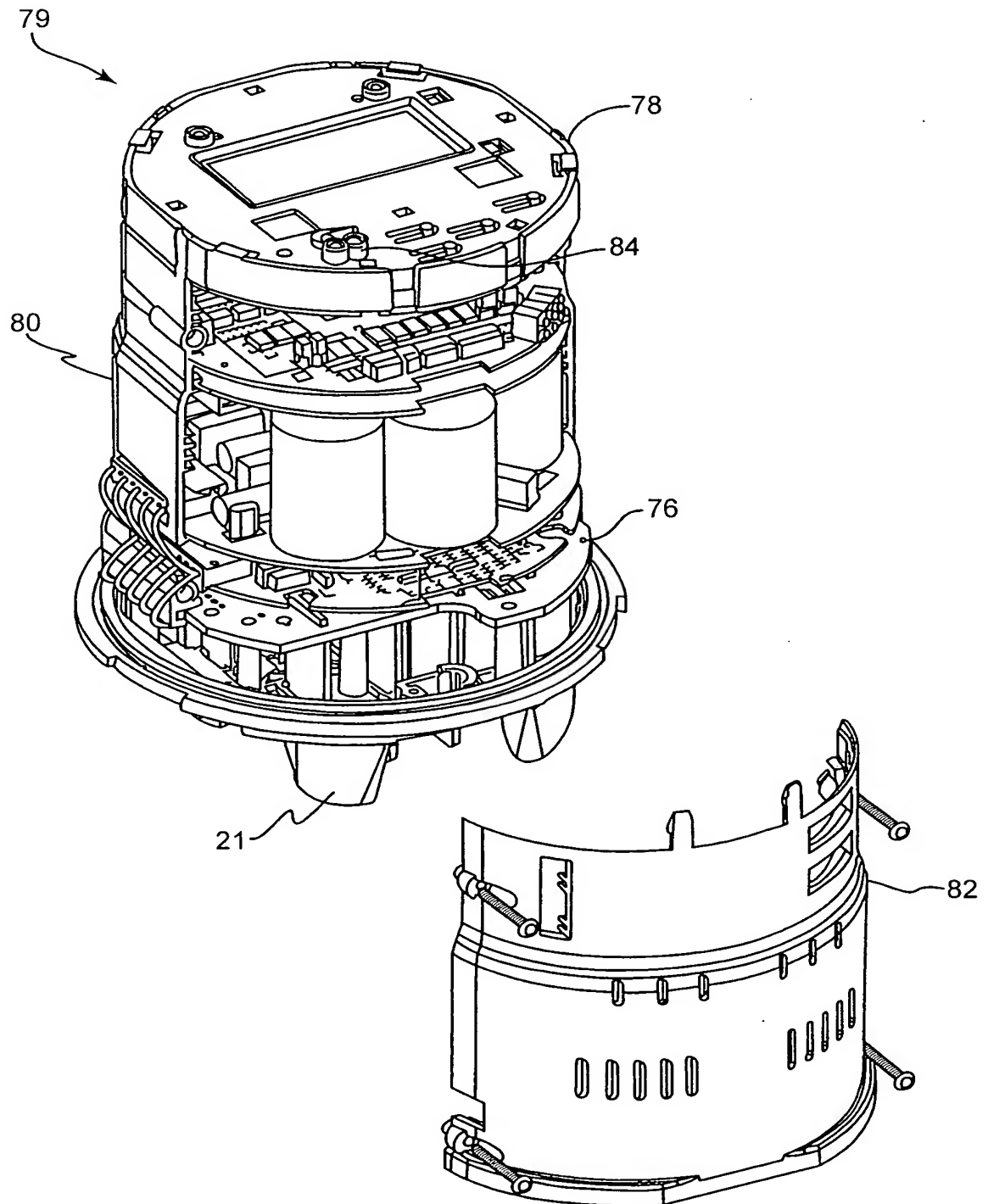


FIG. 8

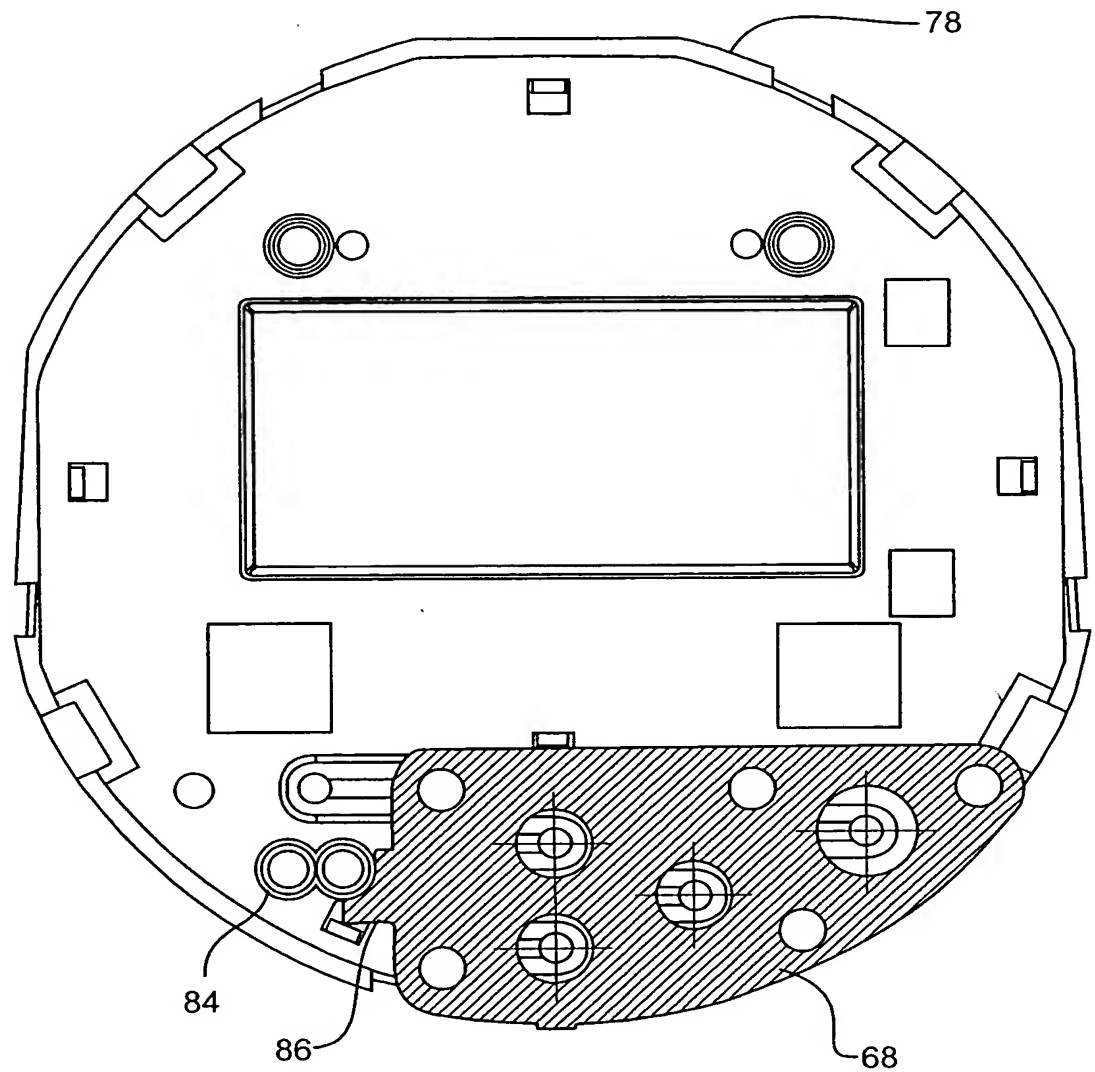


FIG. 9

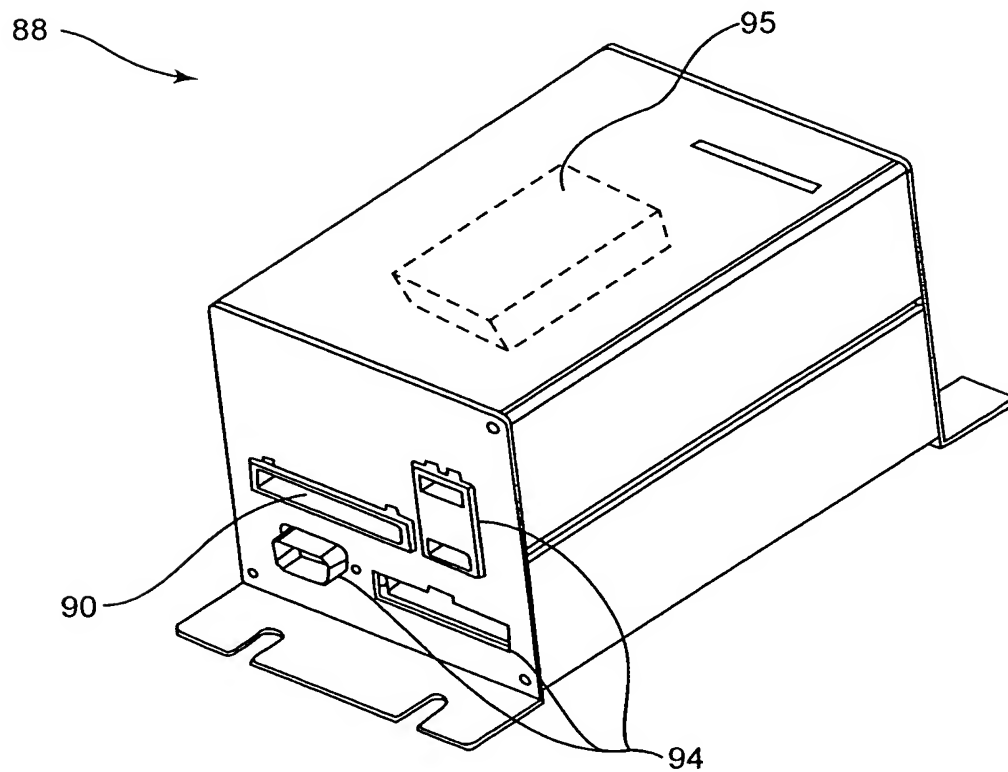


FIG. 10

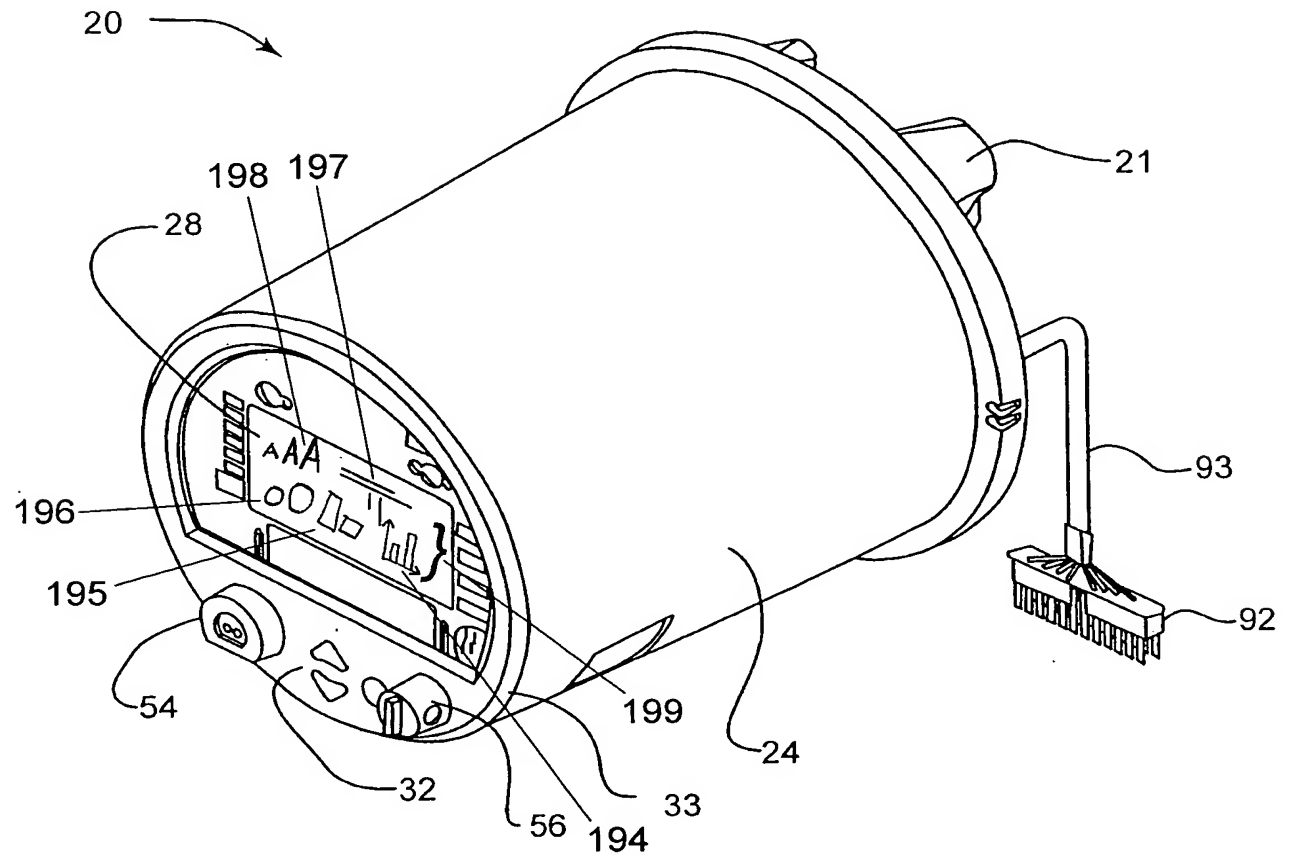


FIG. 11

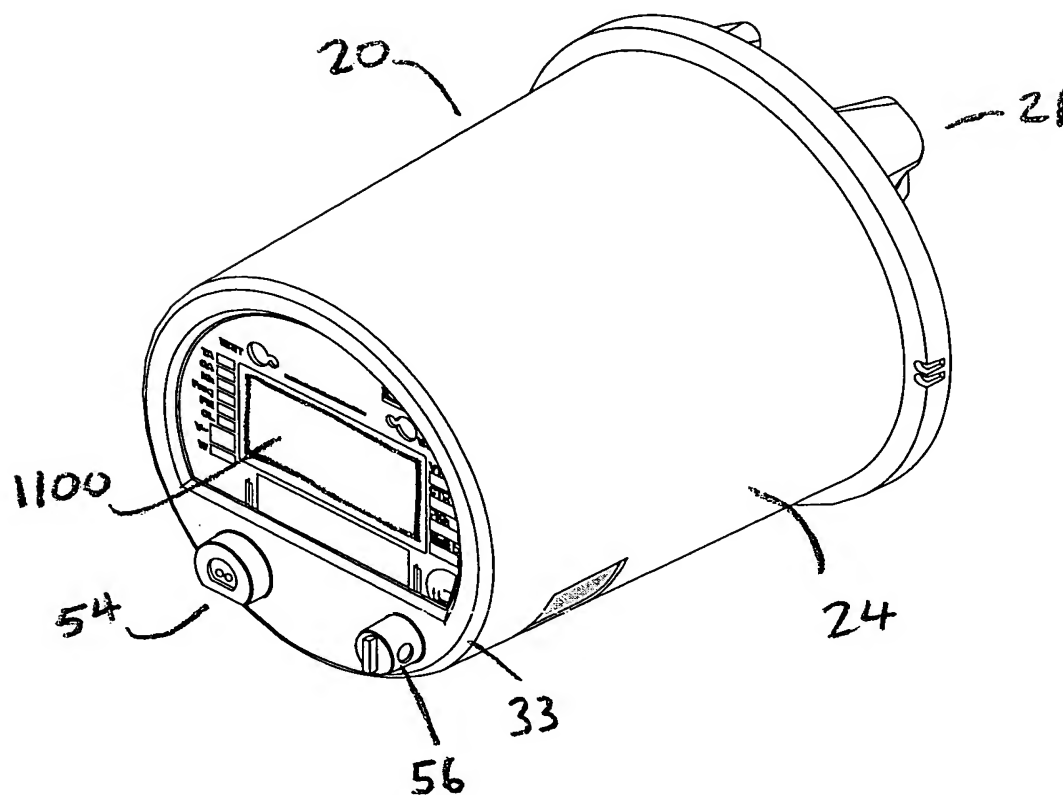


Fig. 11a

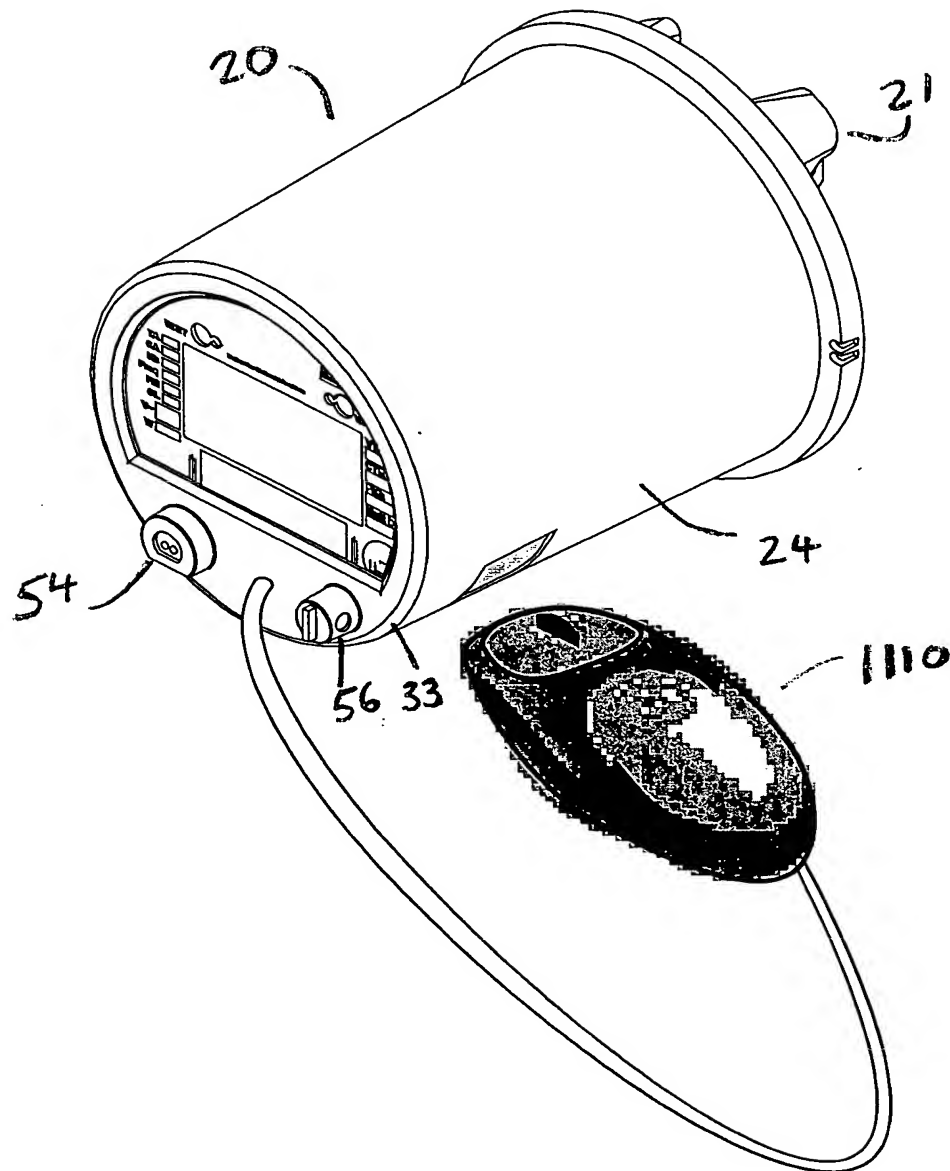


Fig. 11b

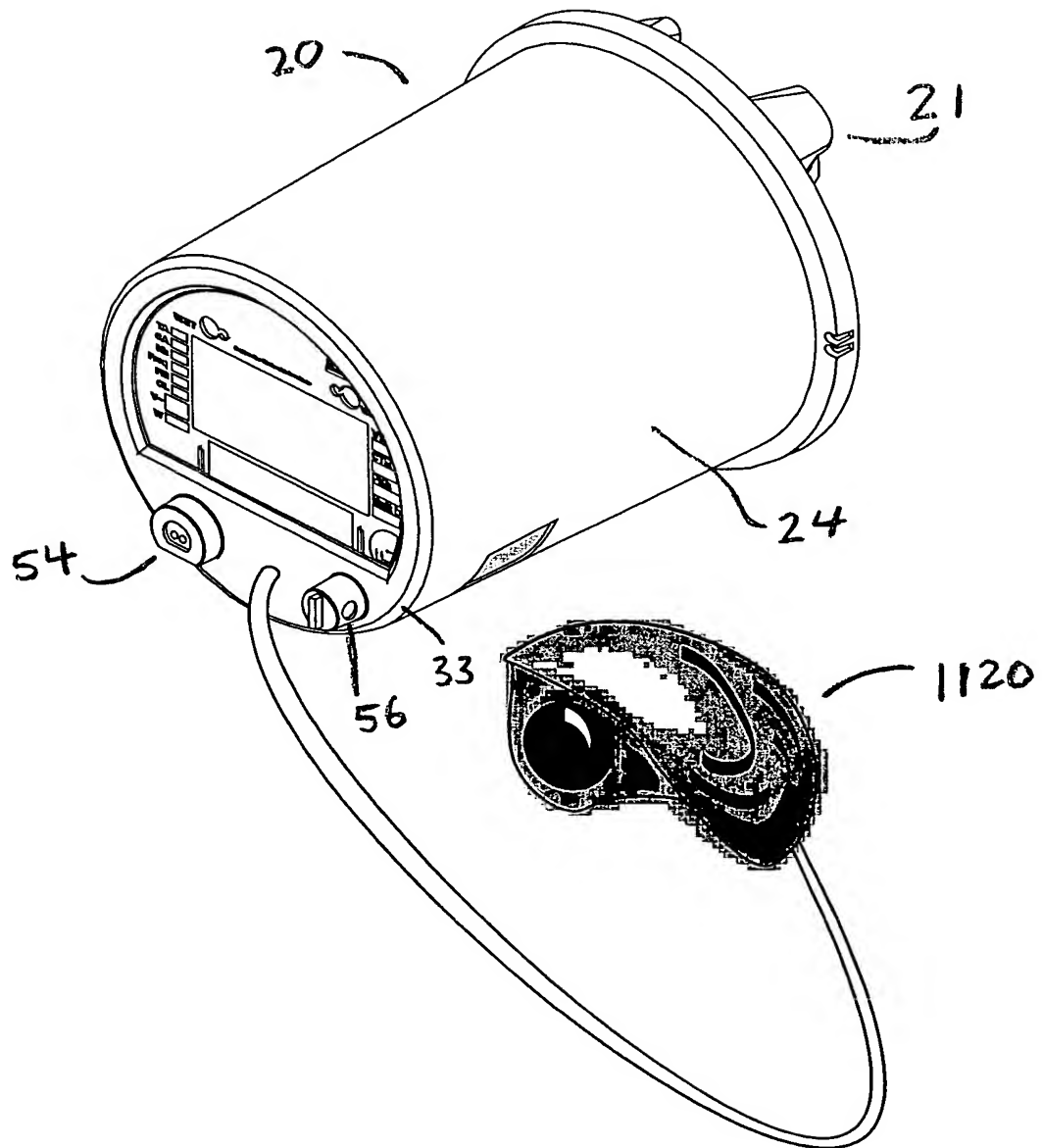


Fig. 11c

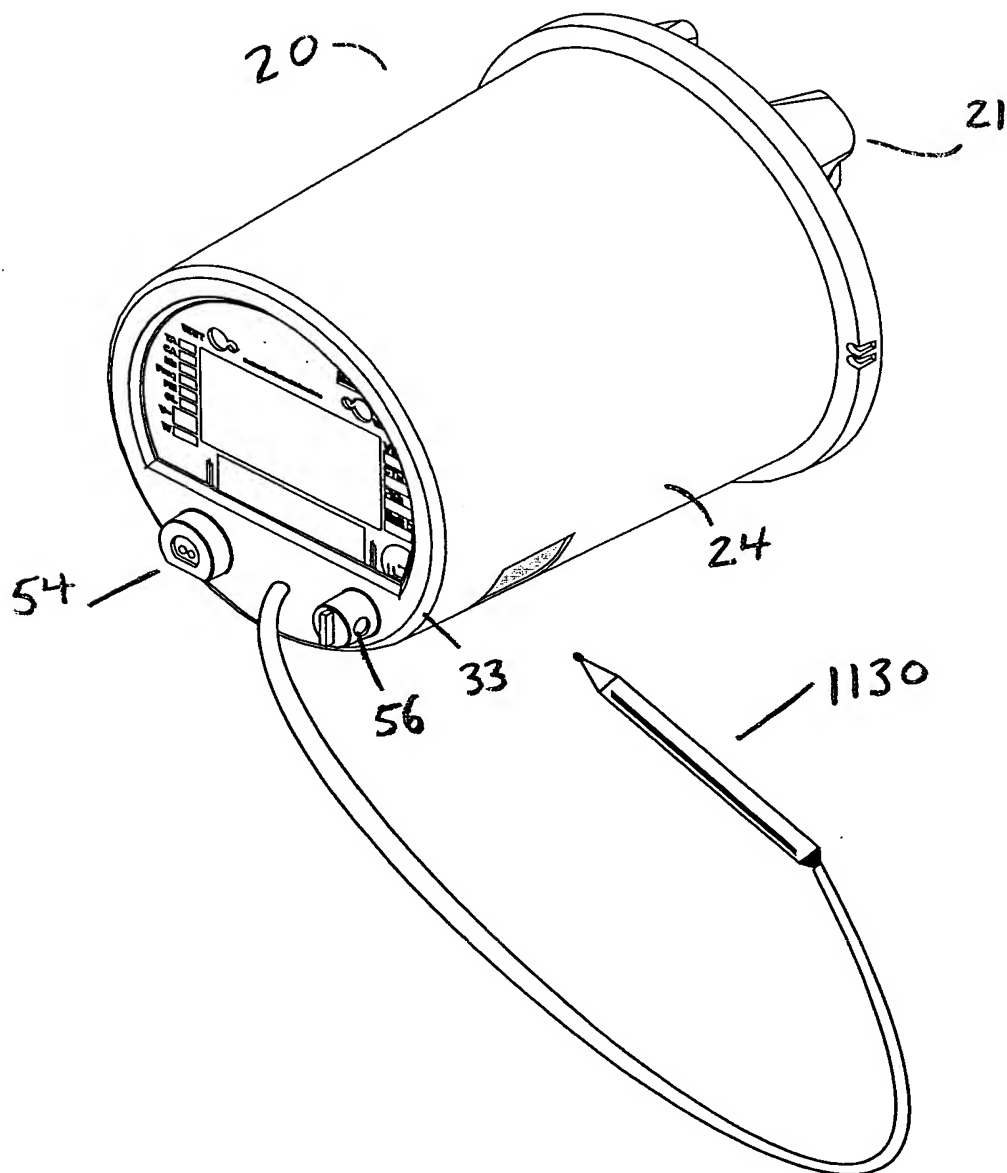


Fig. 11d

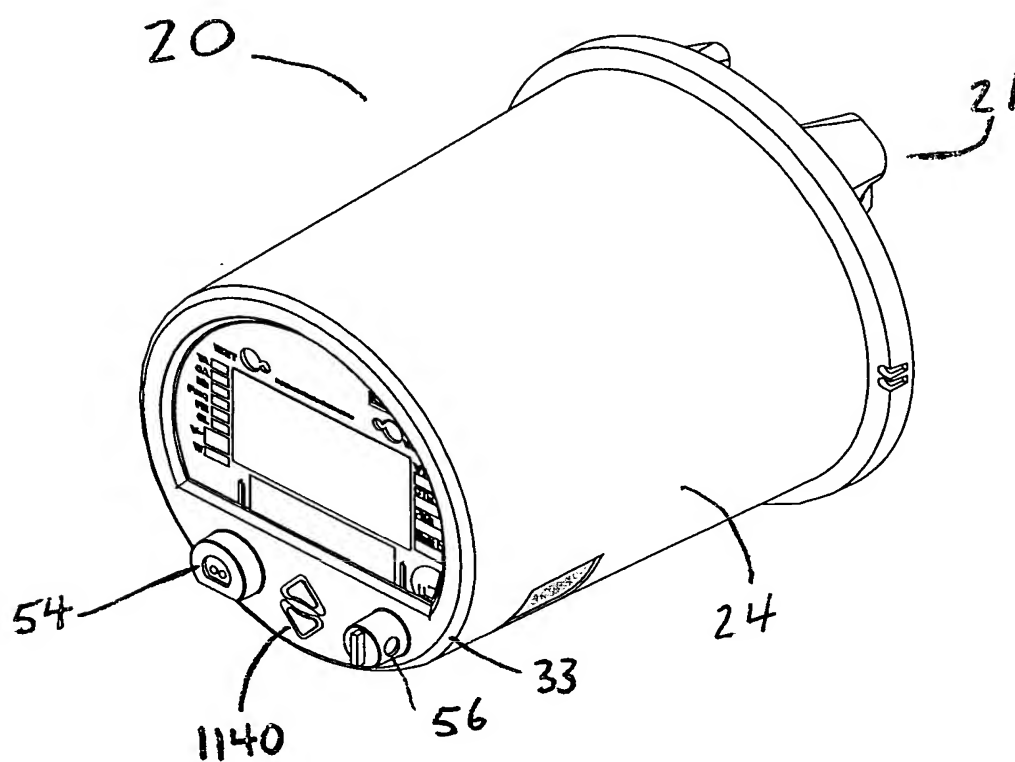


Fig. 11e

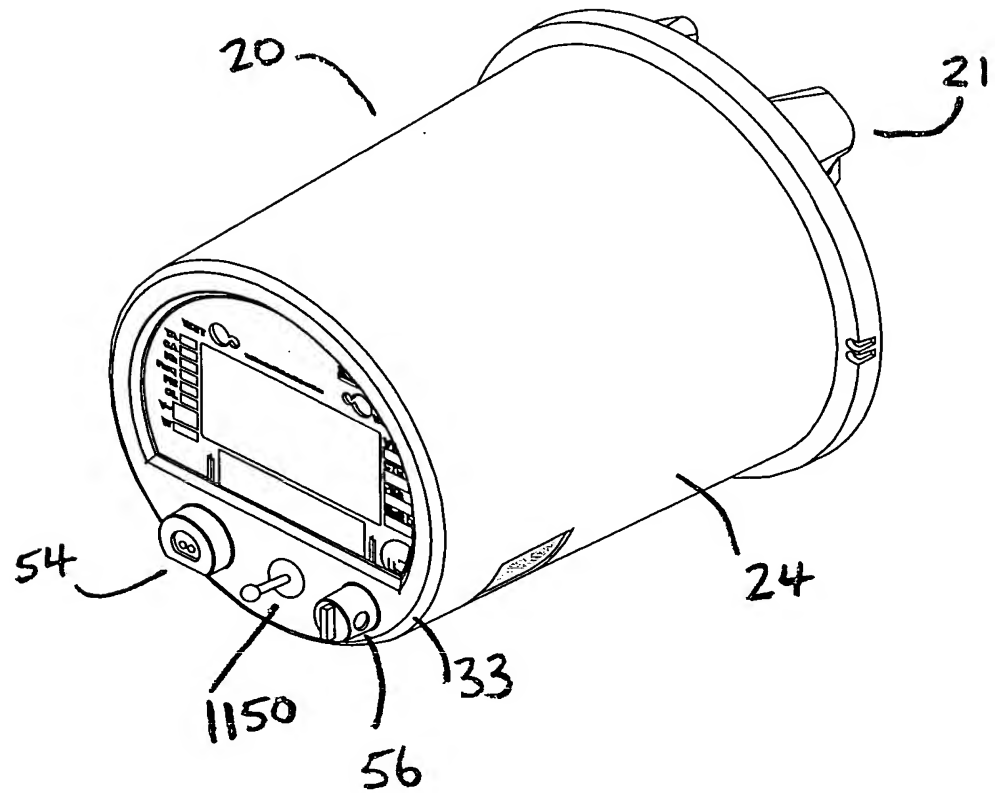


Fig. 11f

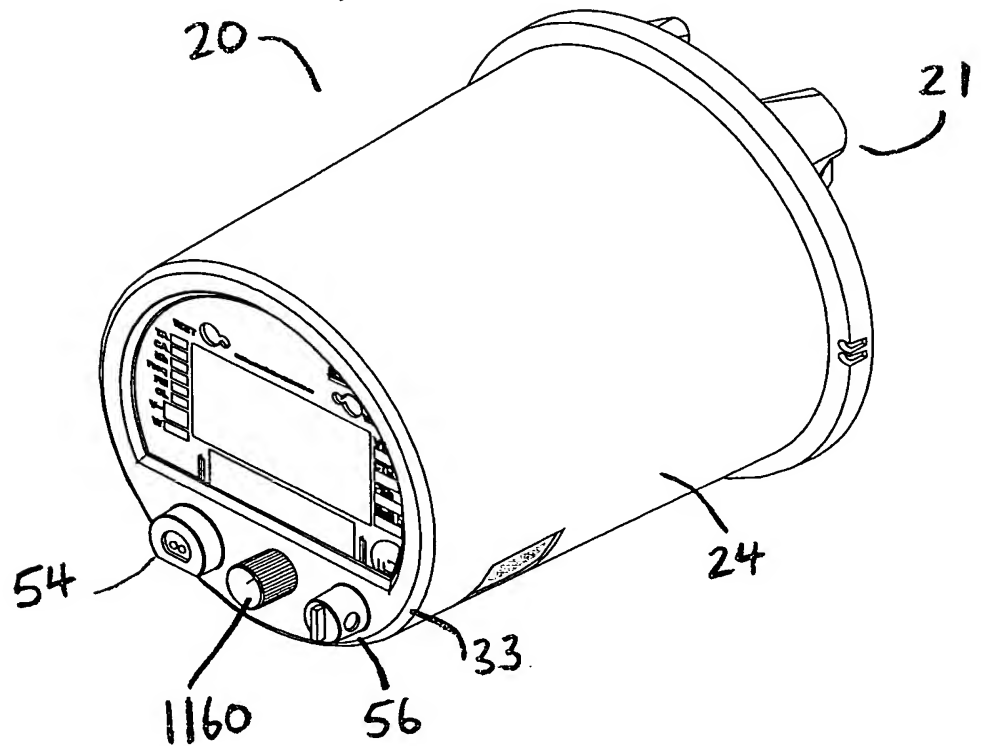


Fig. 11g

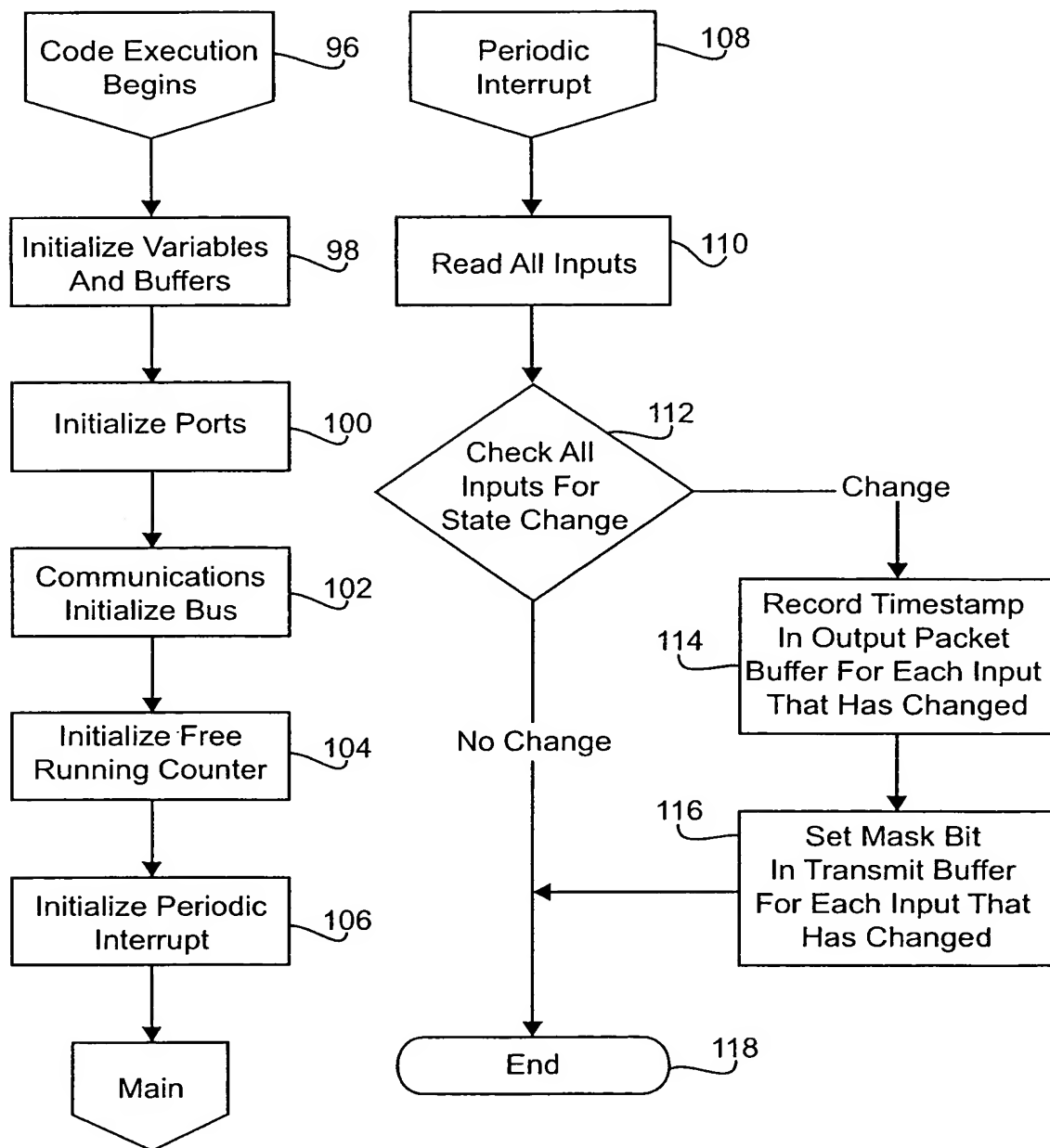


FIG. 12A

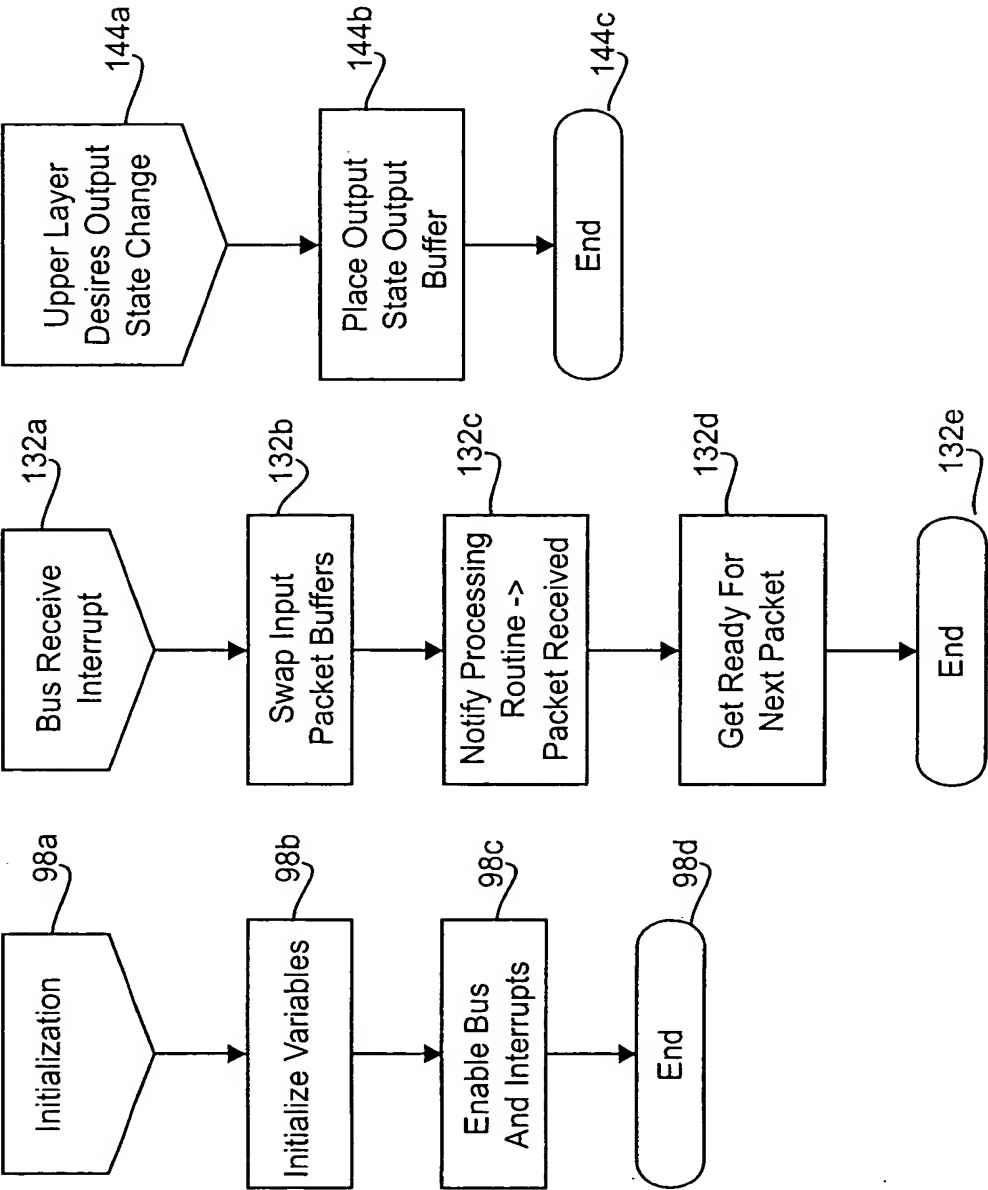


FIG. 12B

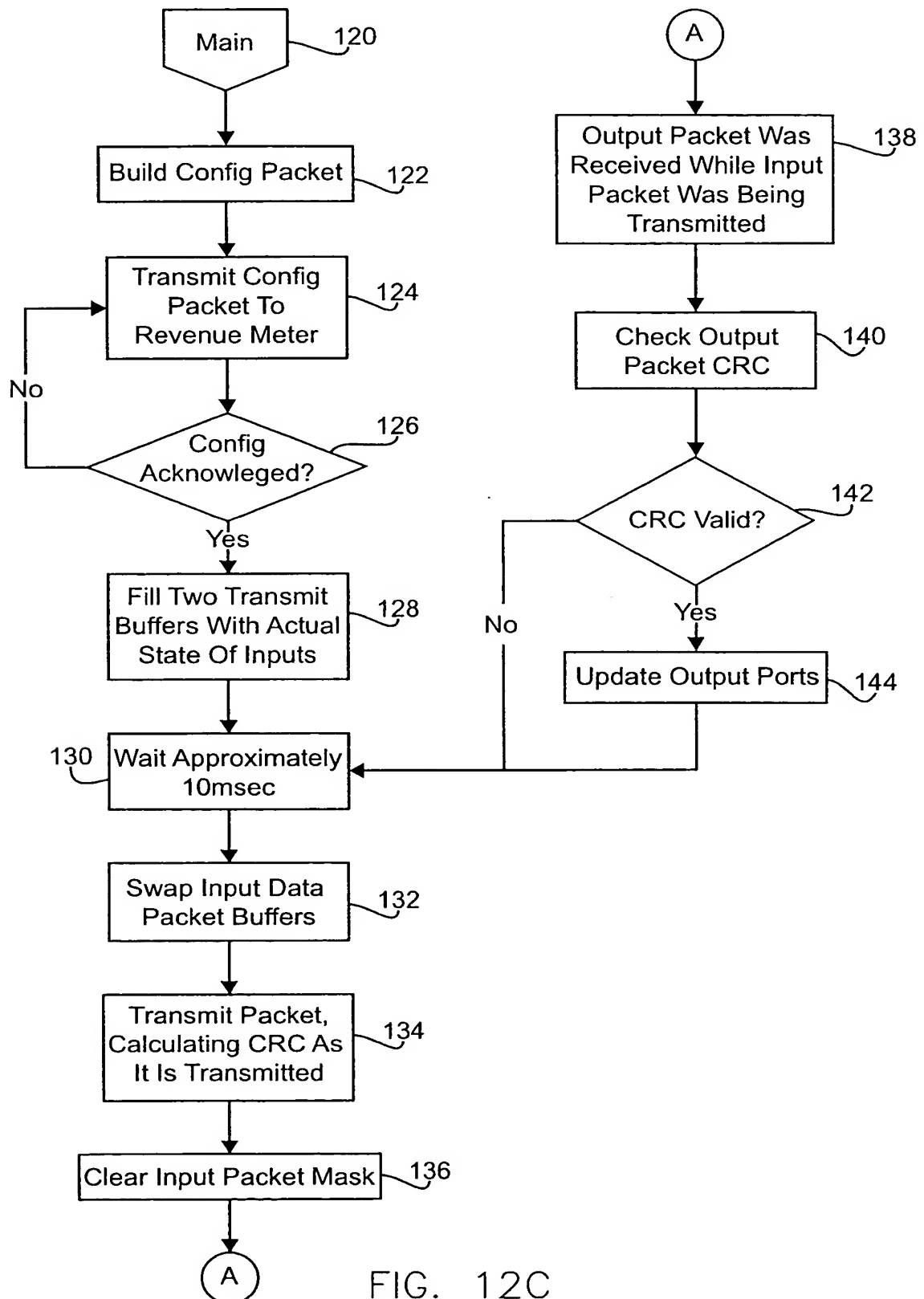


FIG. 12C

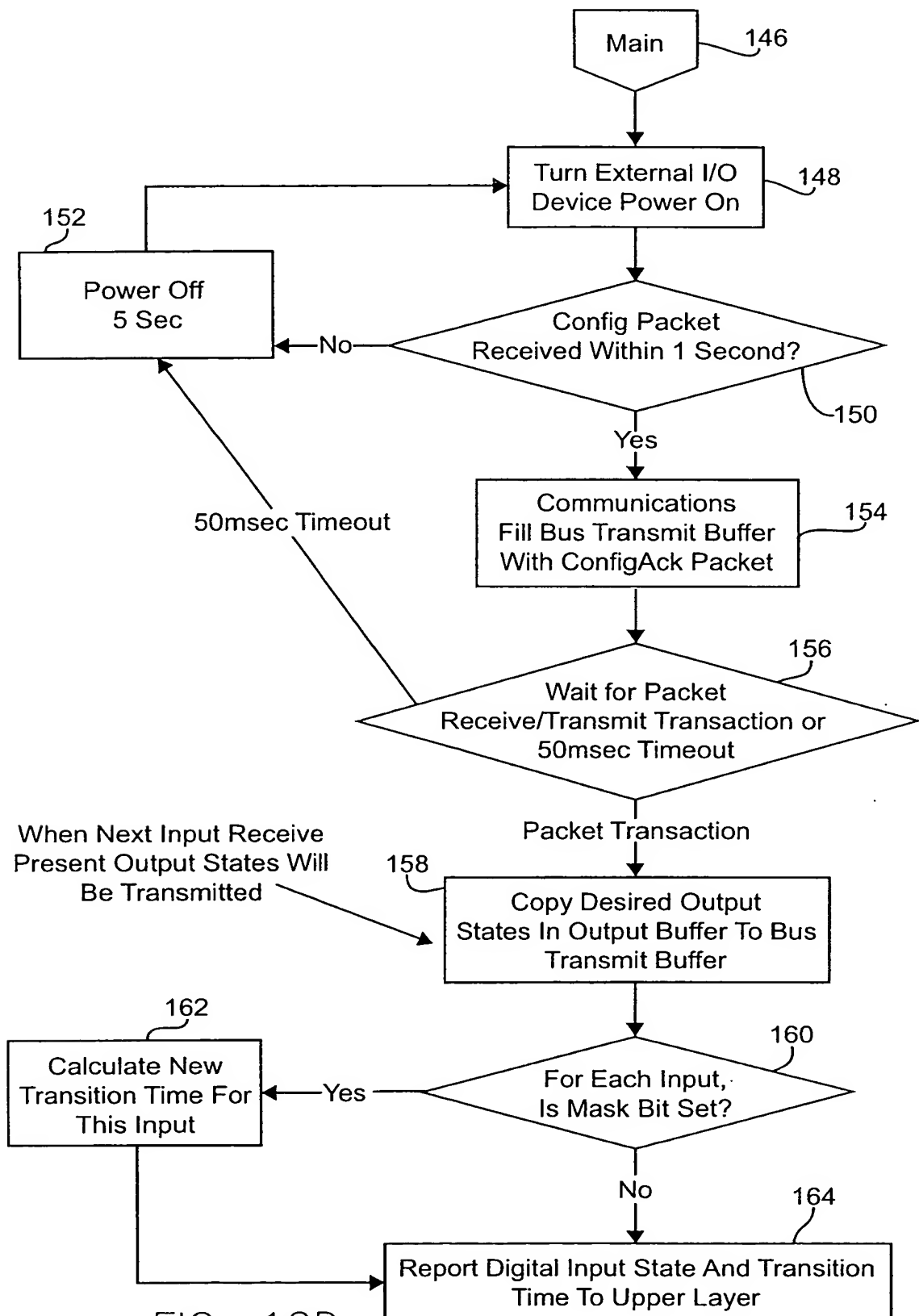


FIG. 12D

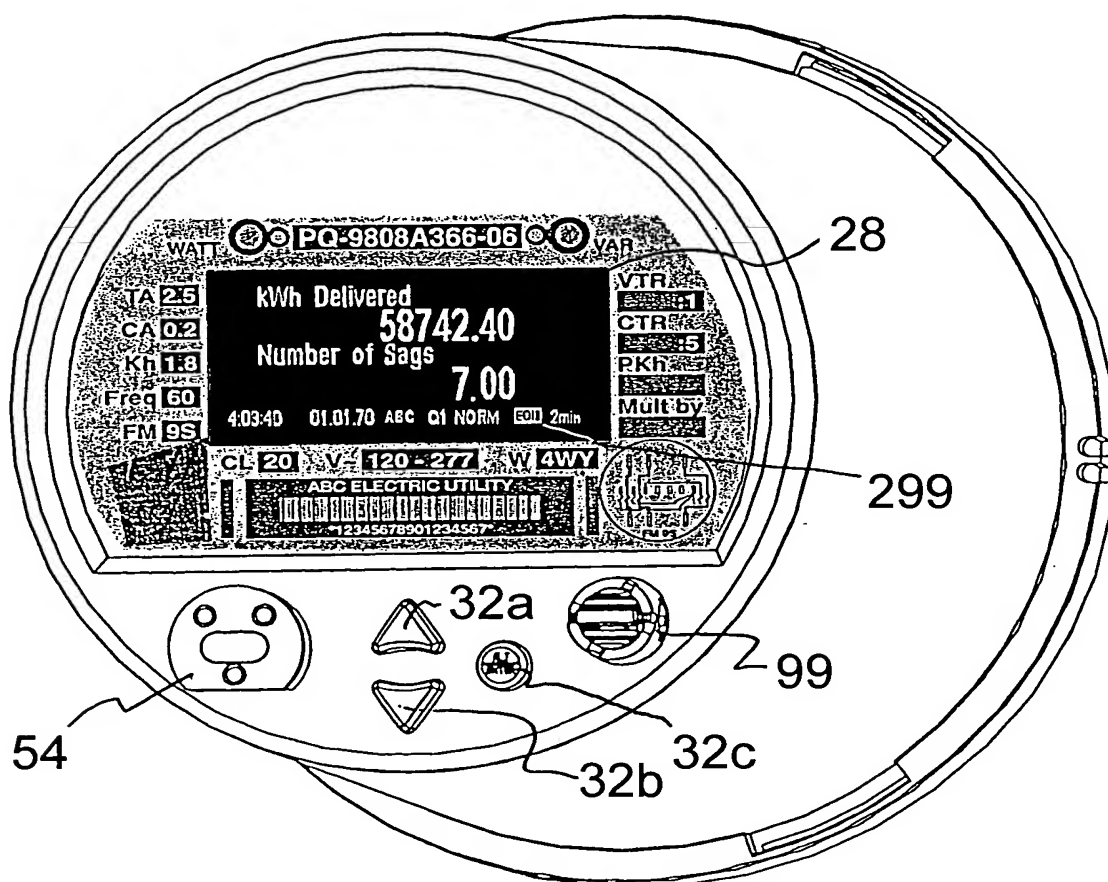


FIG. 13

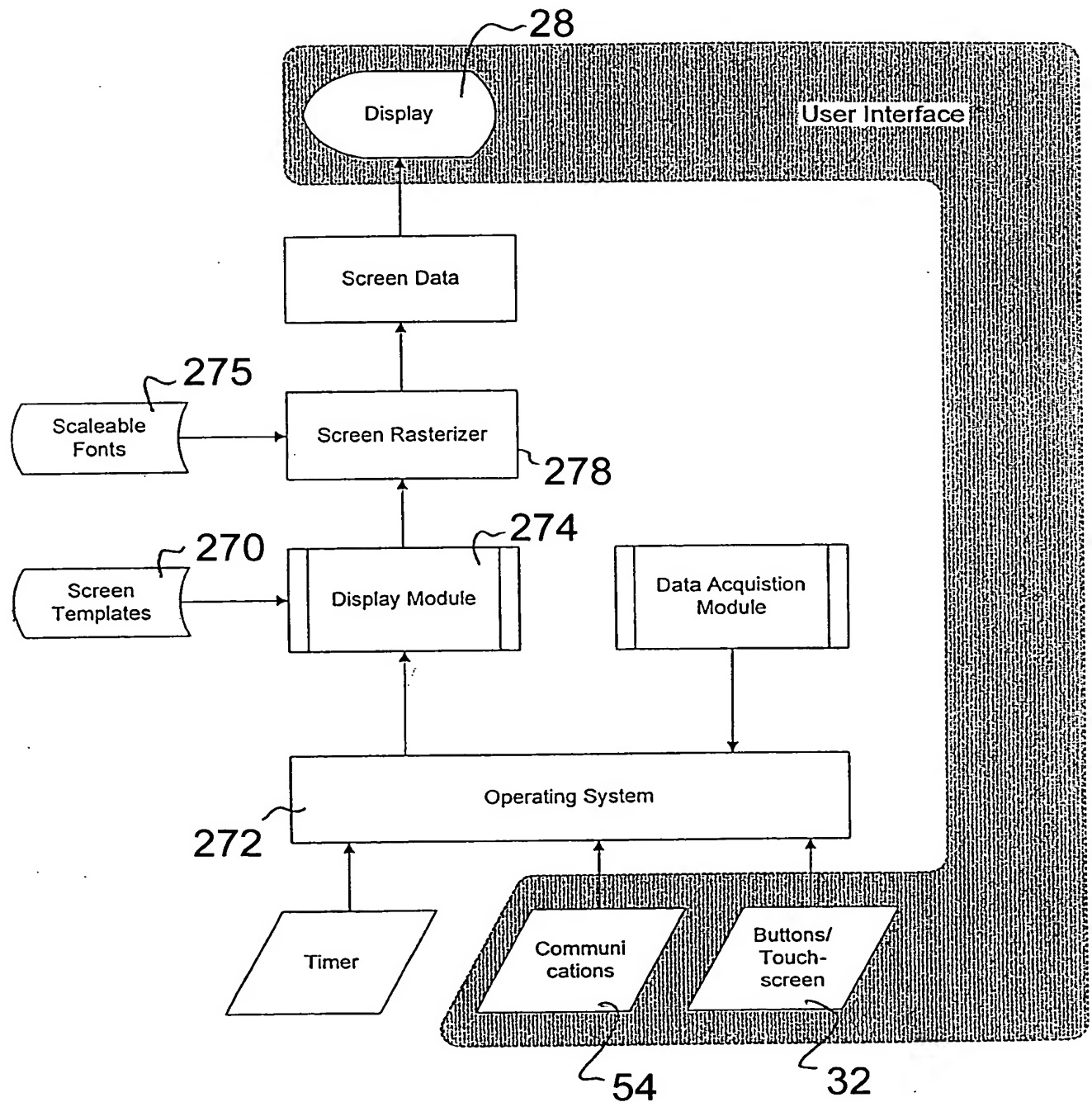


FIG. 14

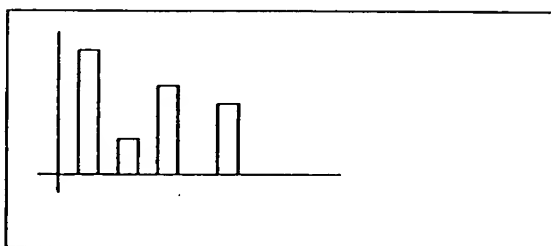


FIG. 15

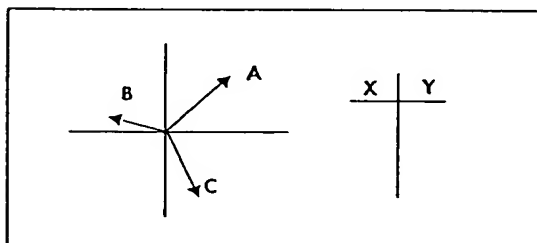


FIG. 16

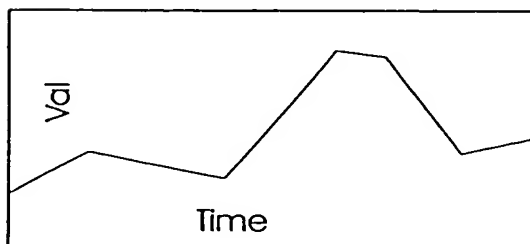


FIG. 17

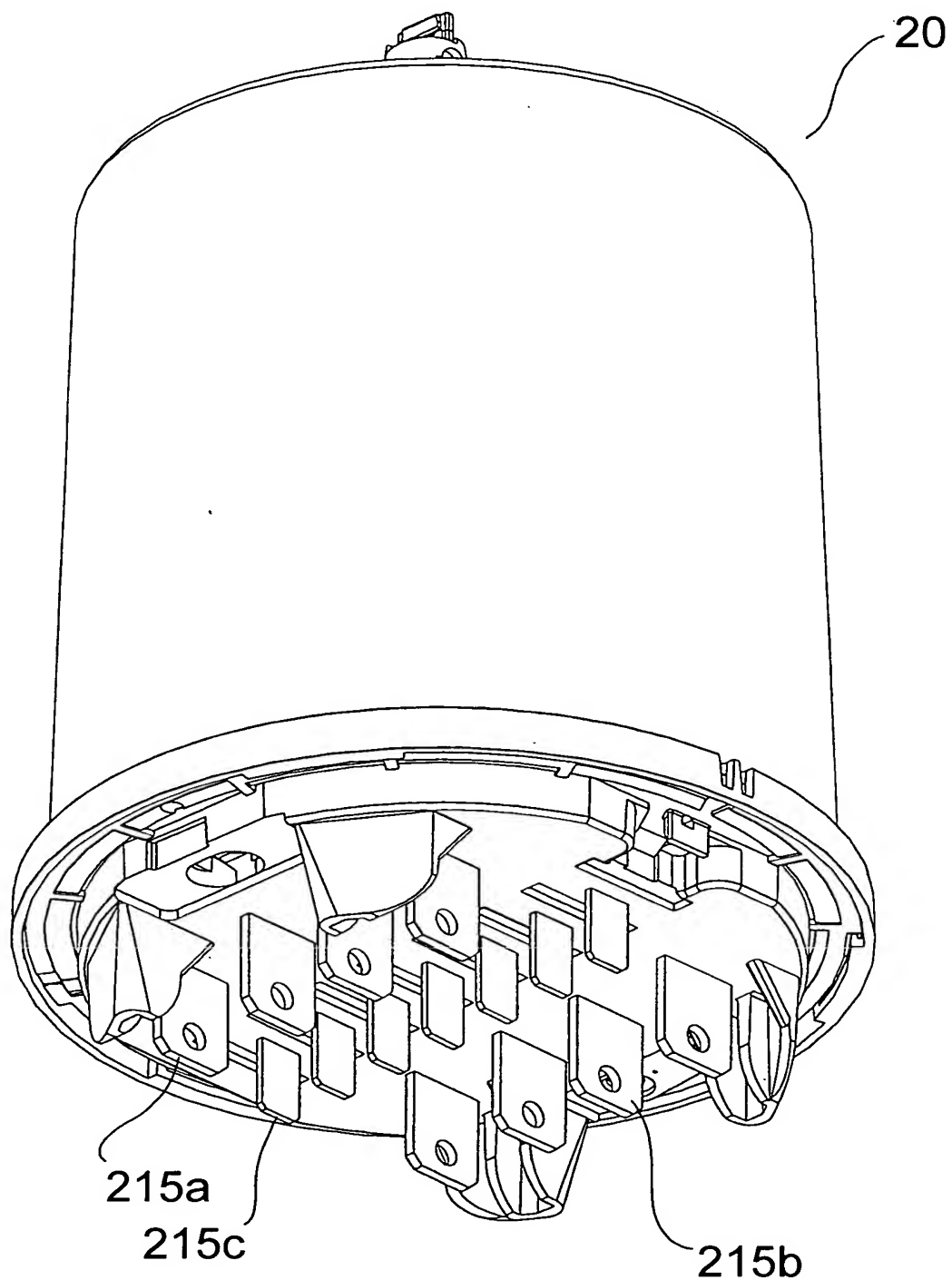


FIG. 18

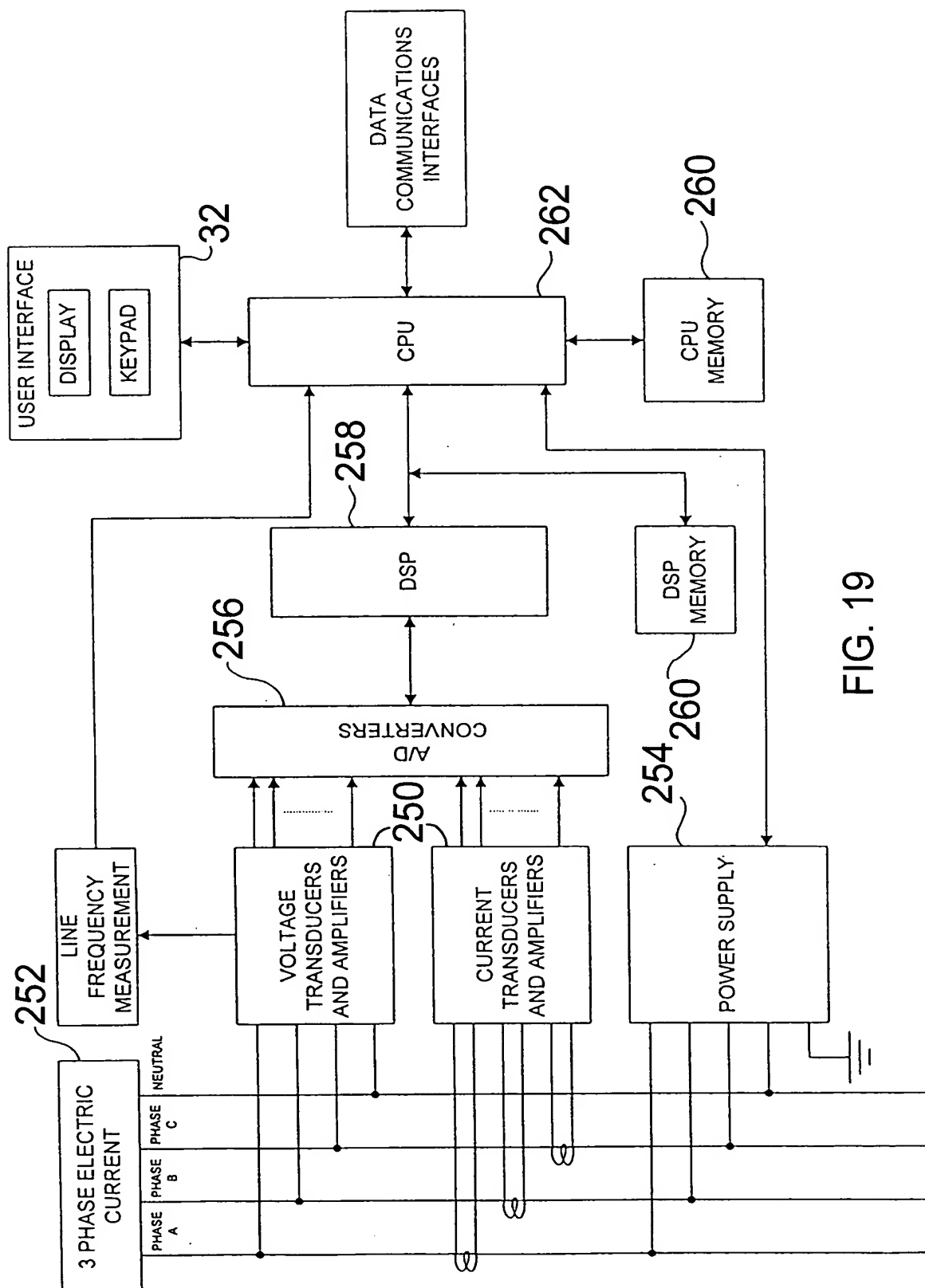
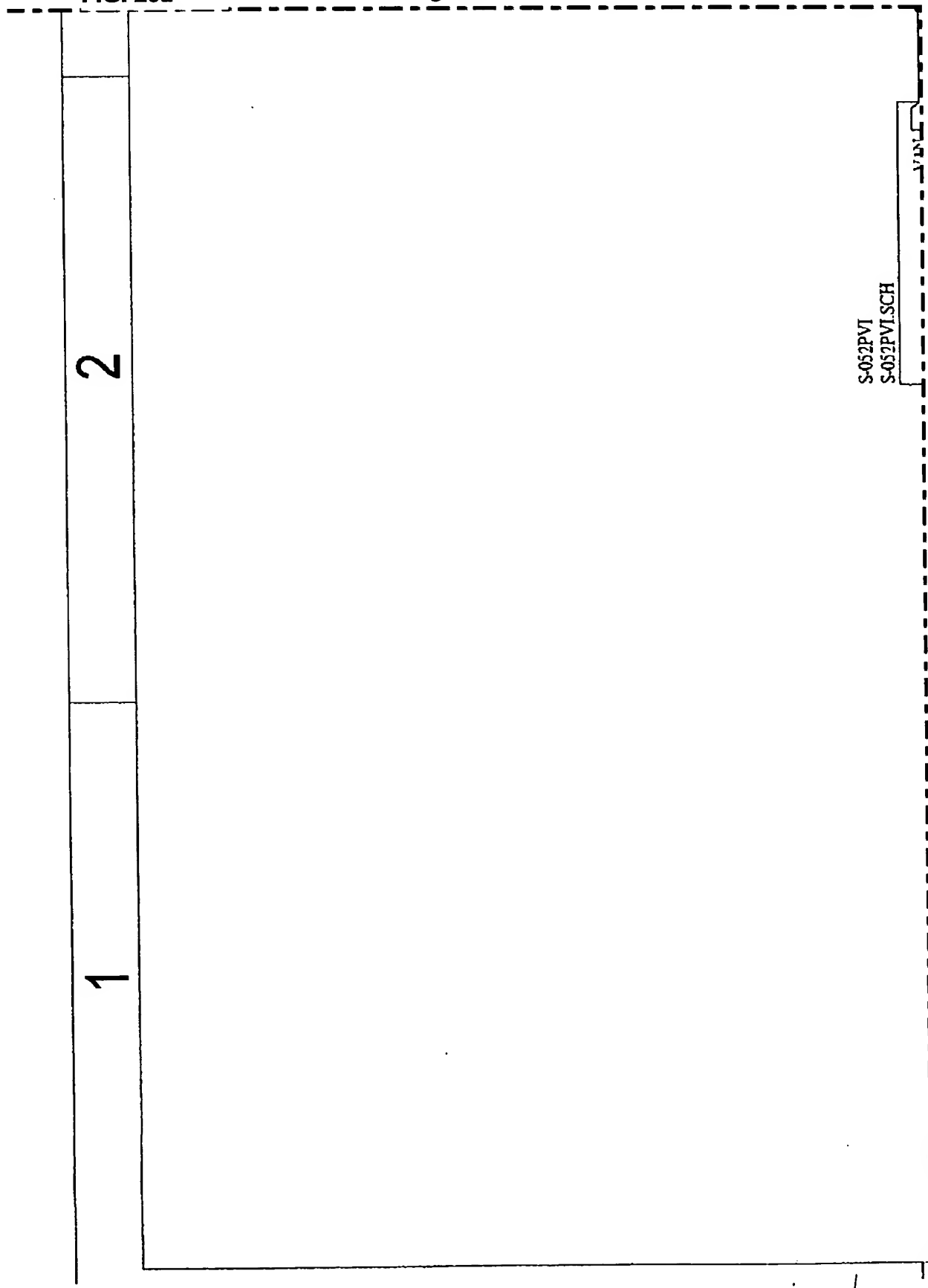


FIG. 19

FIG. 20a

To Fig. 20b



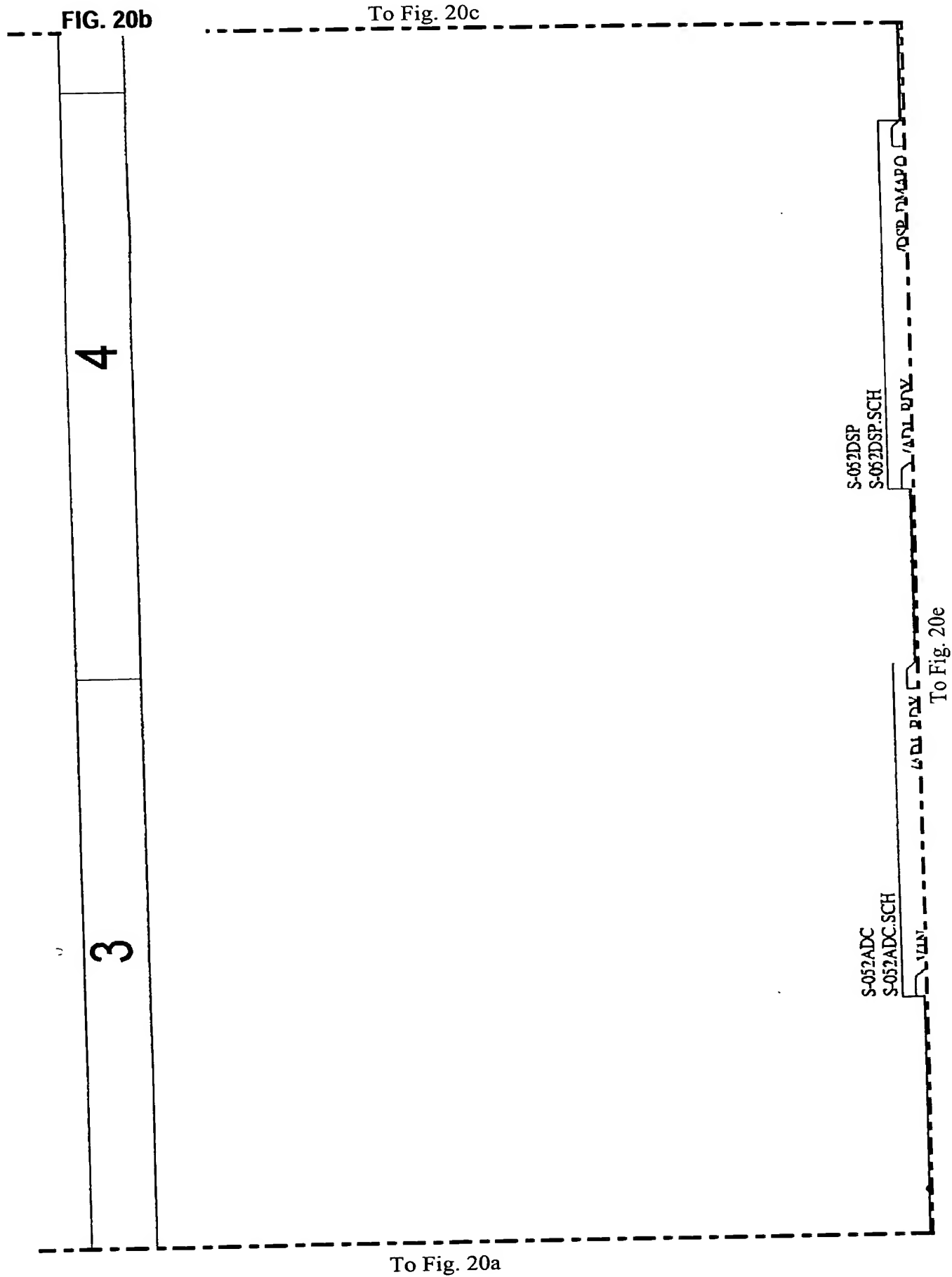
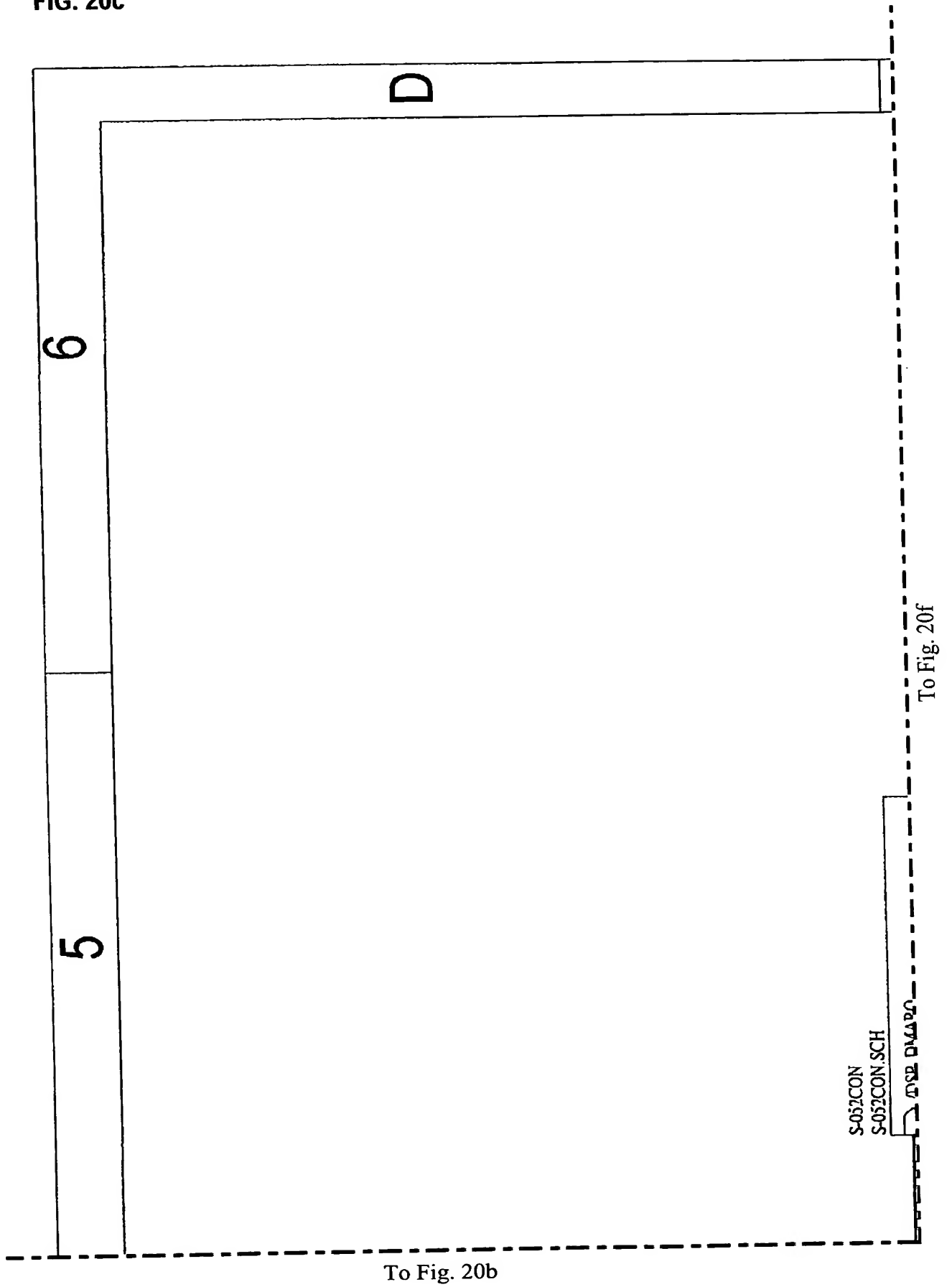
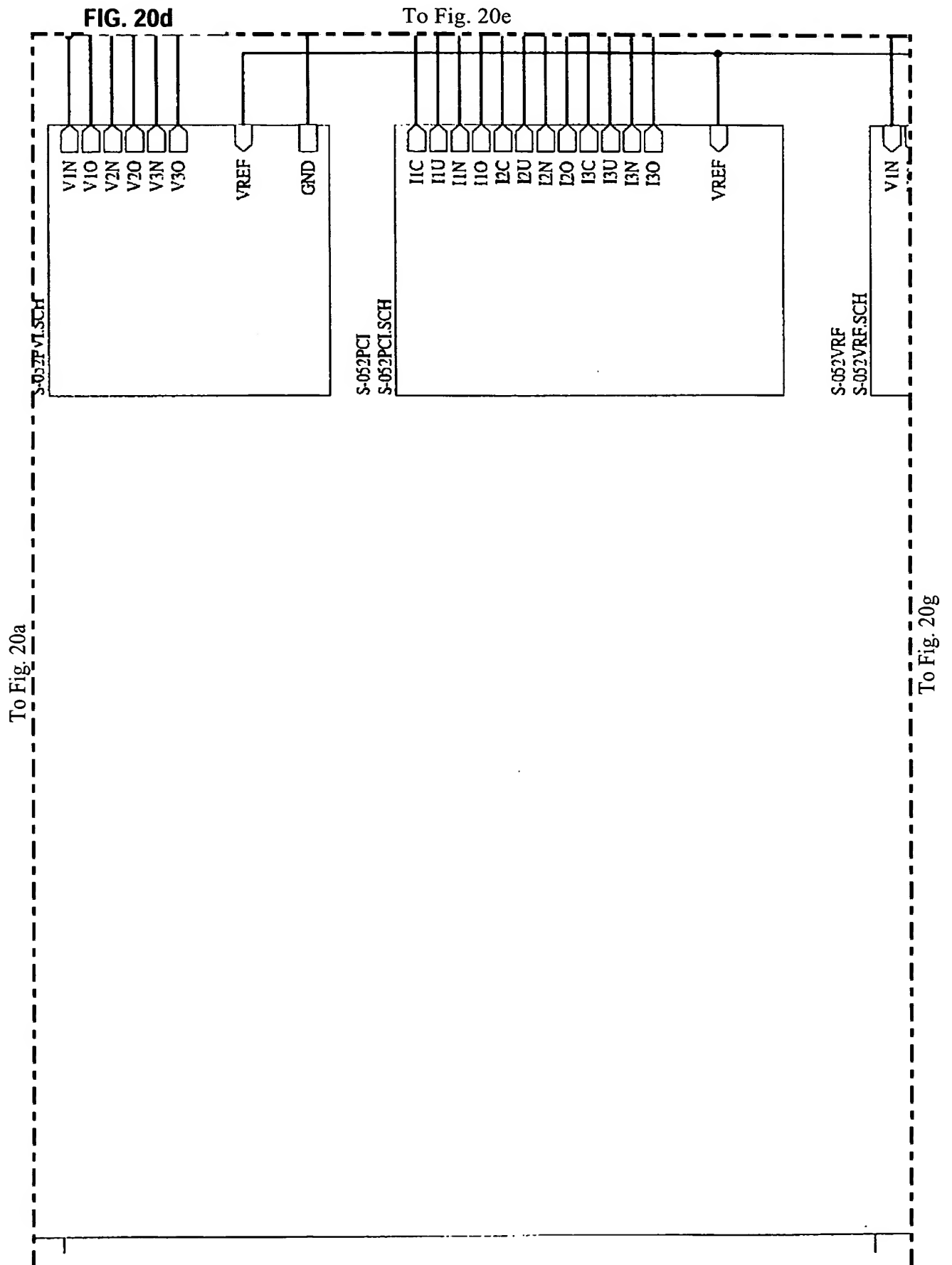


FIG. 20c





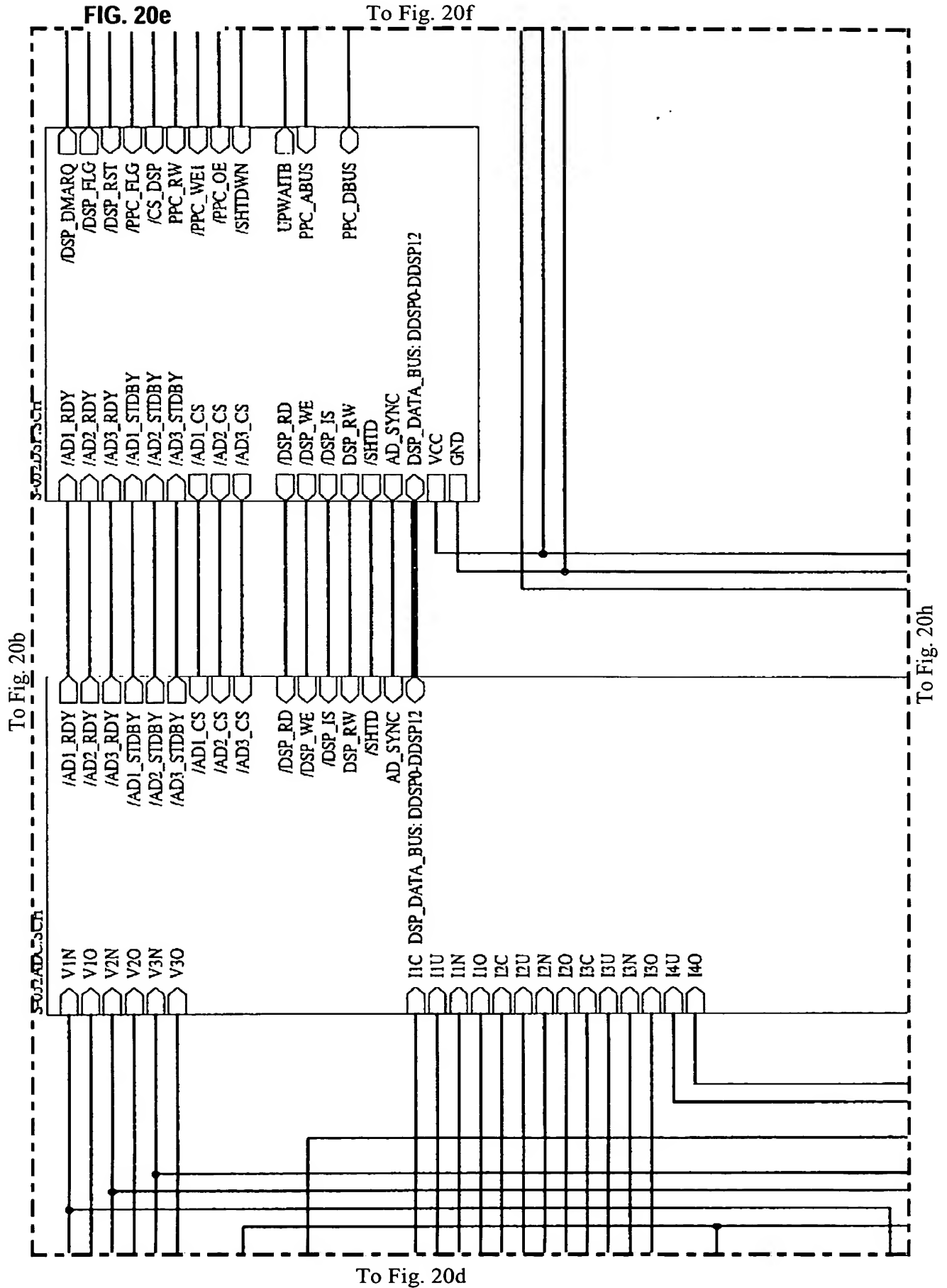
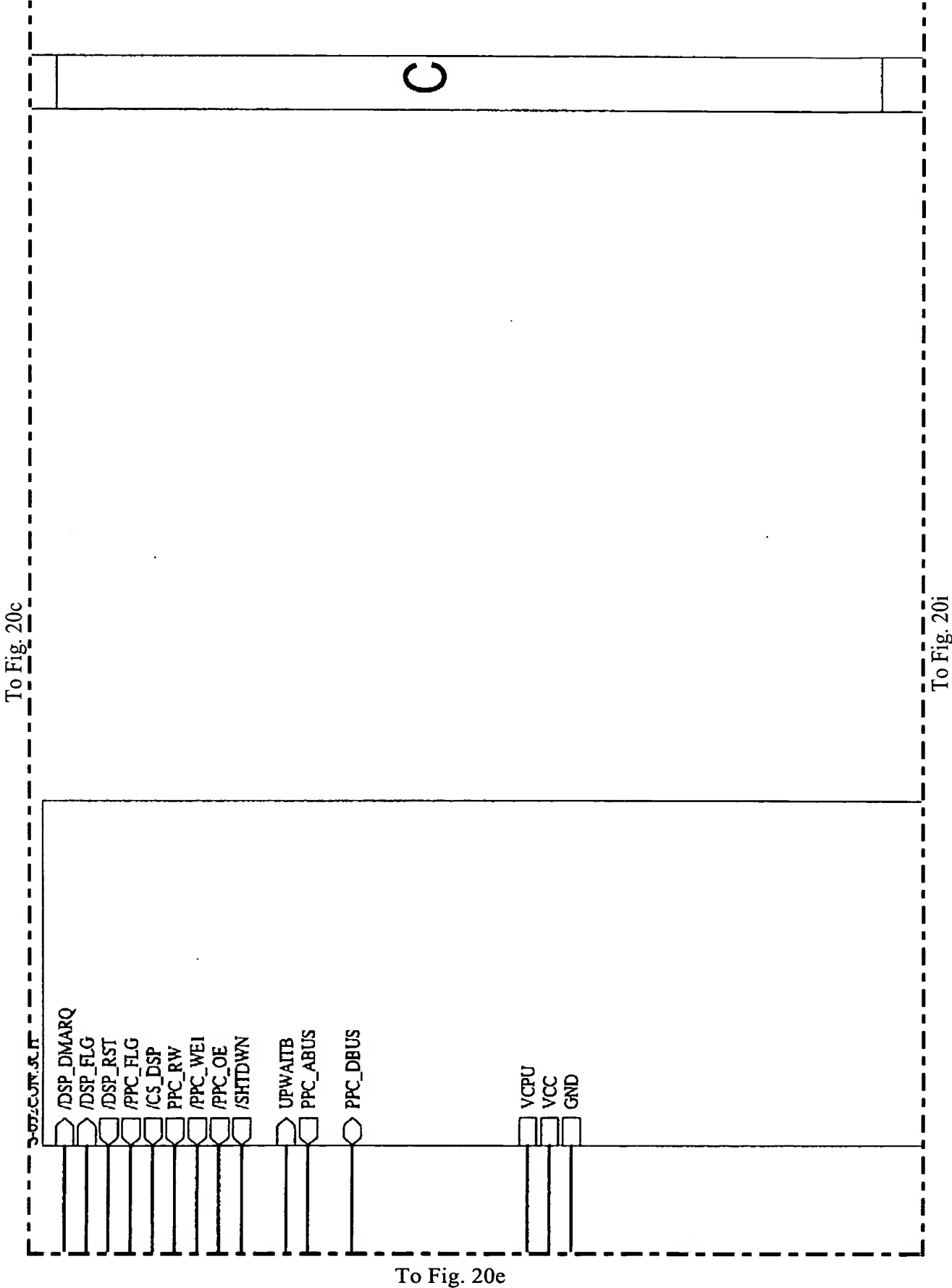
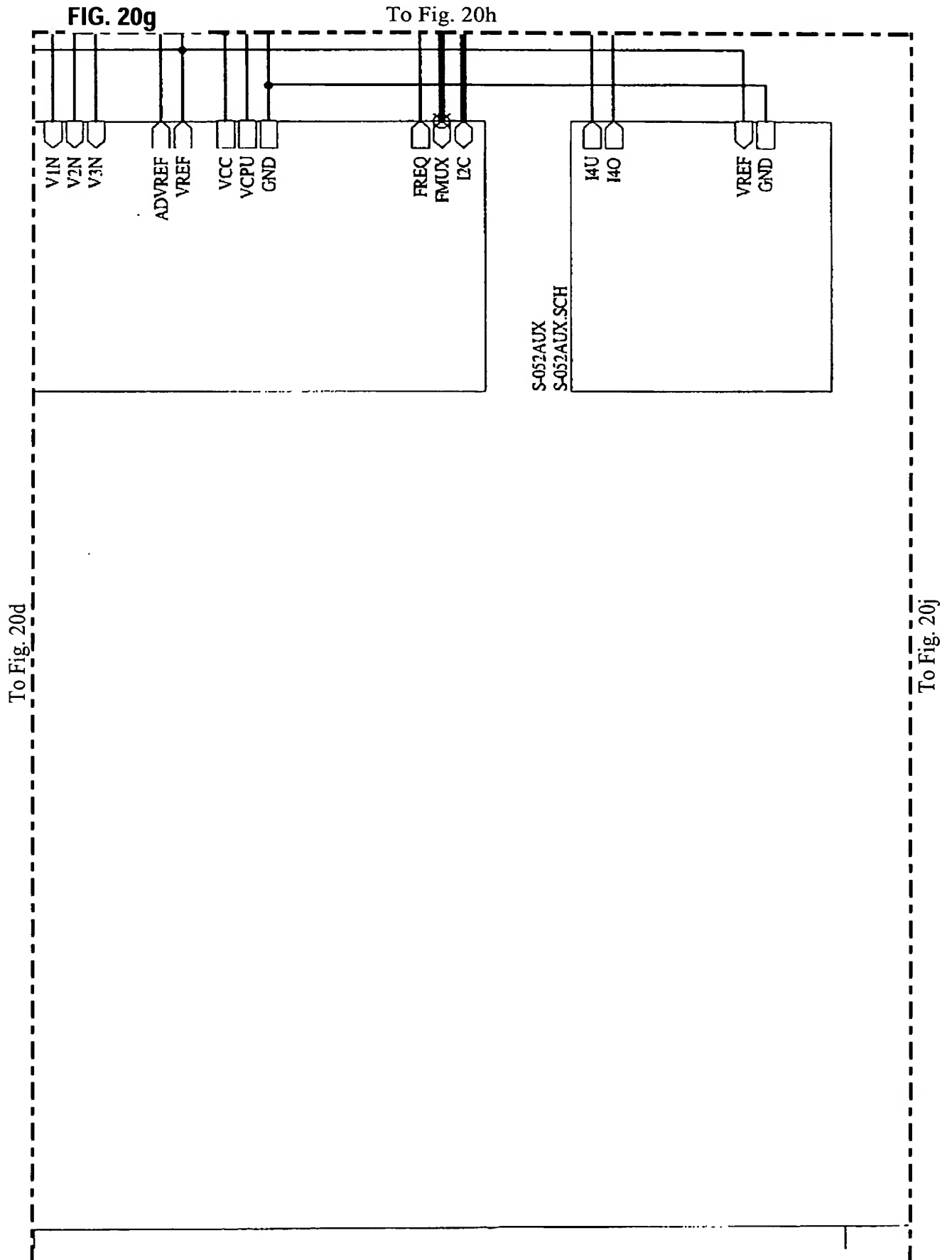


FIG. 20f





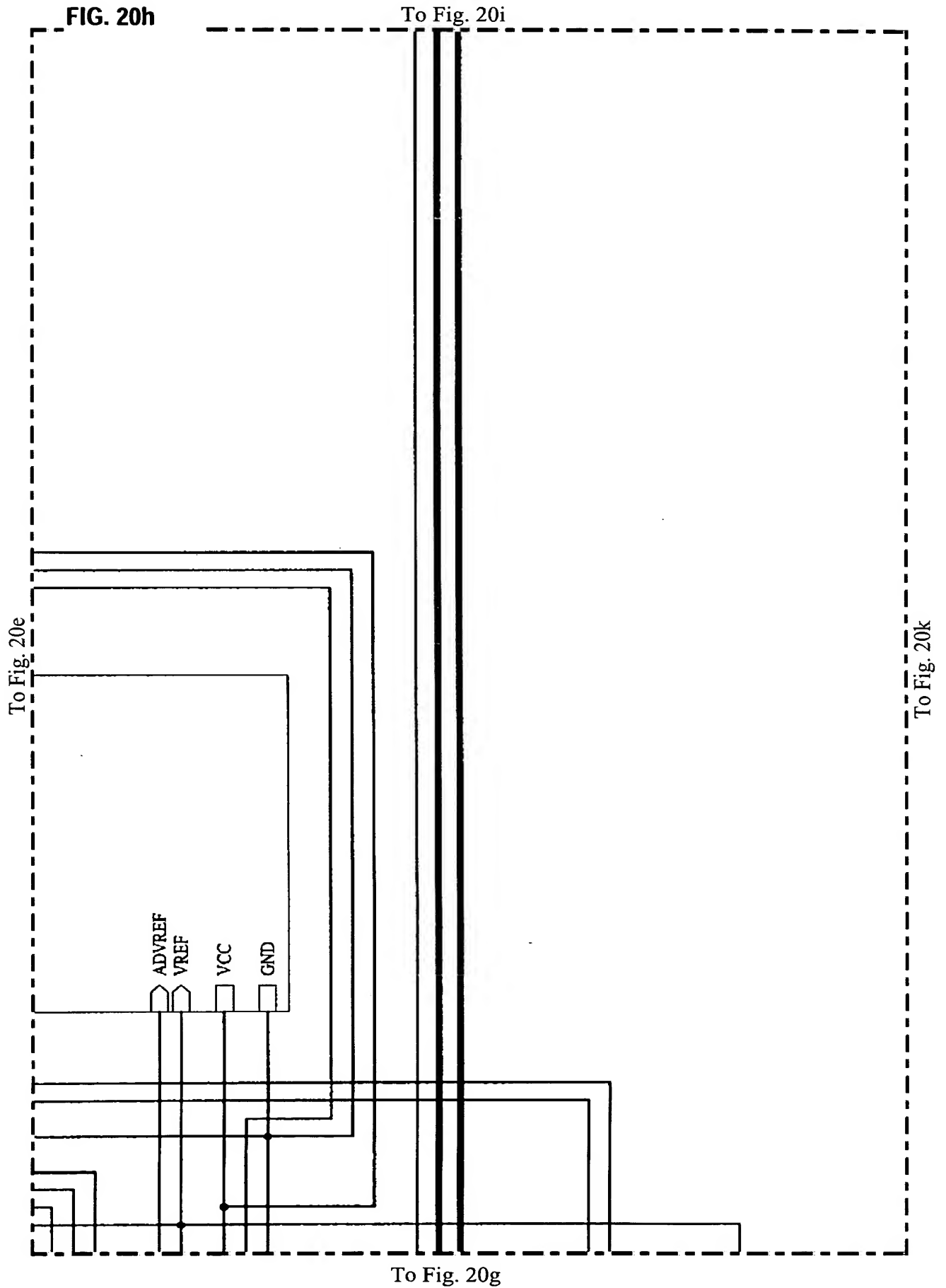


FIG. 20i

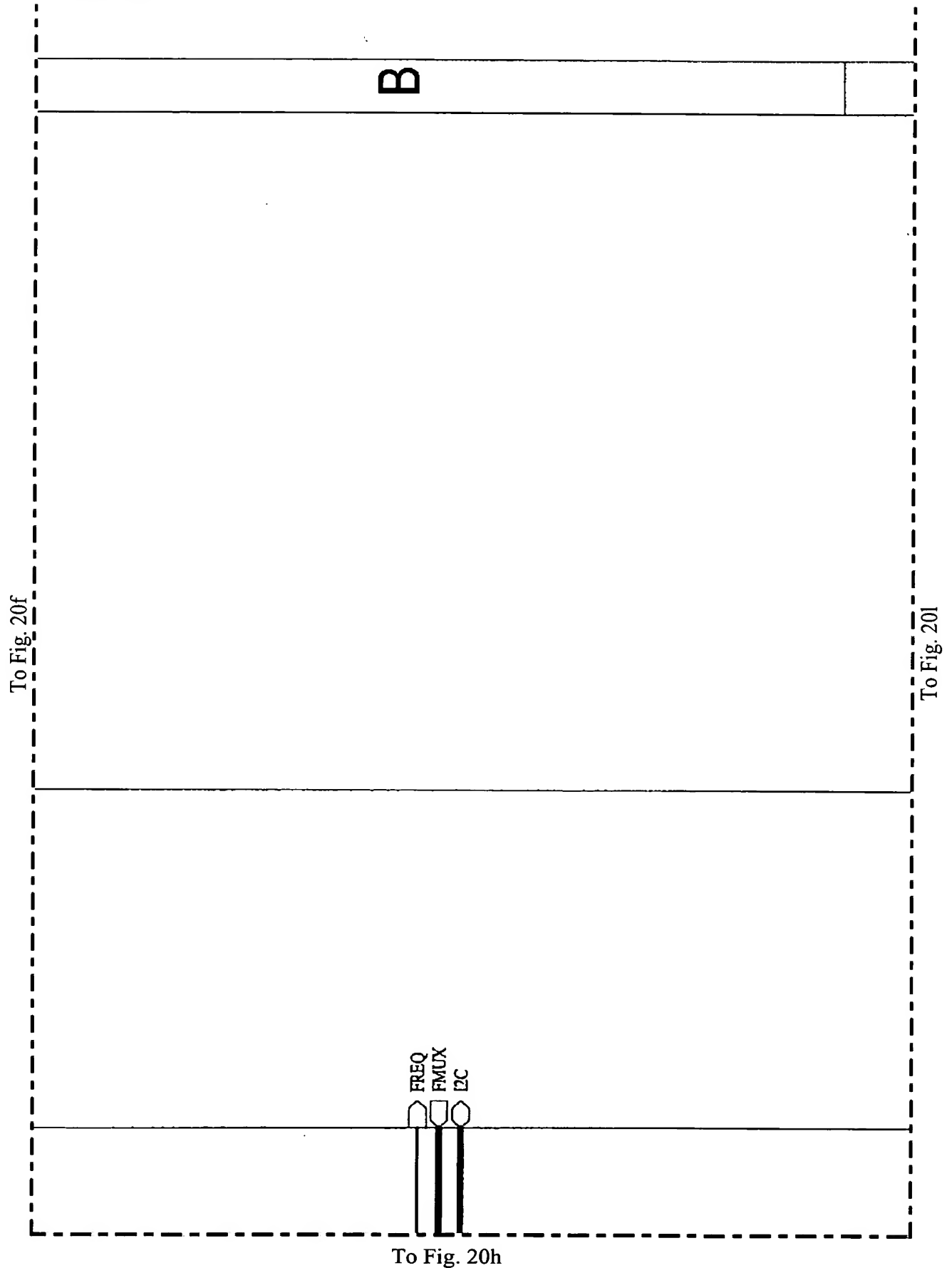


FIG. 20j

To Fig. 20k

To Fig. 20g

2

1

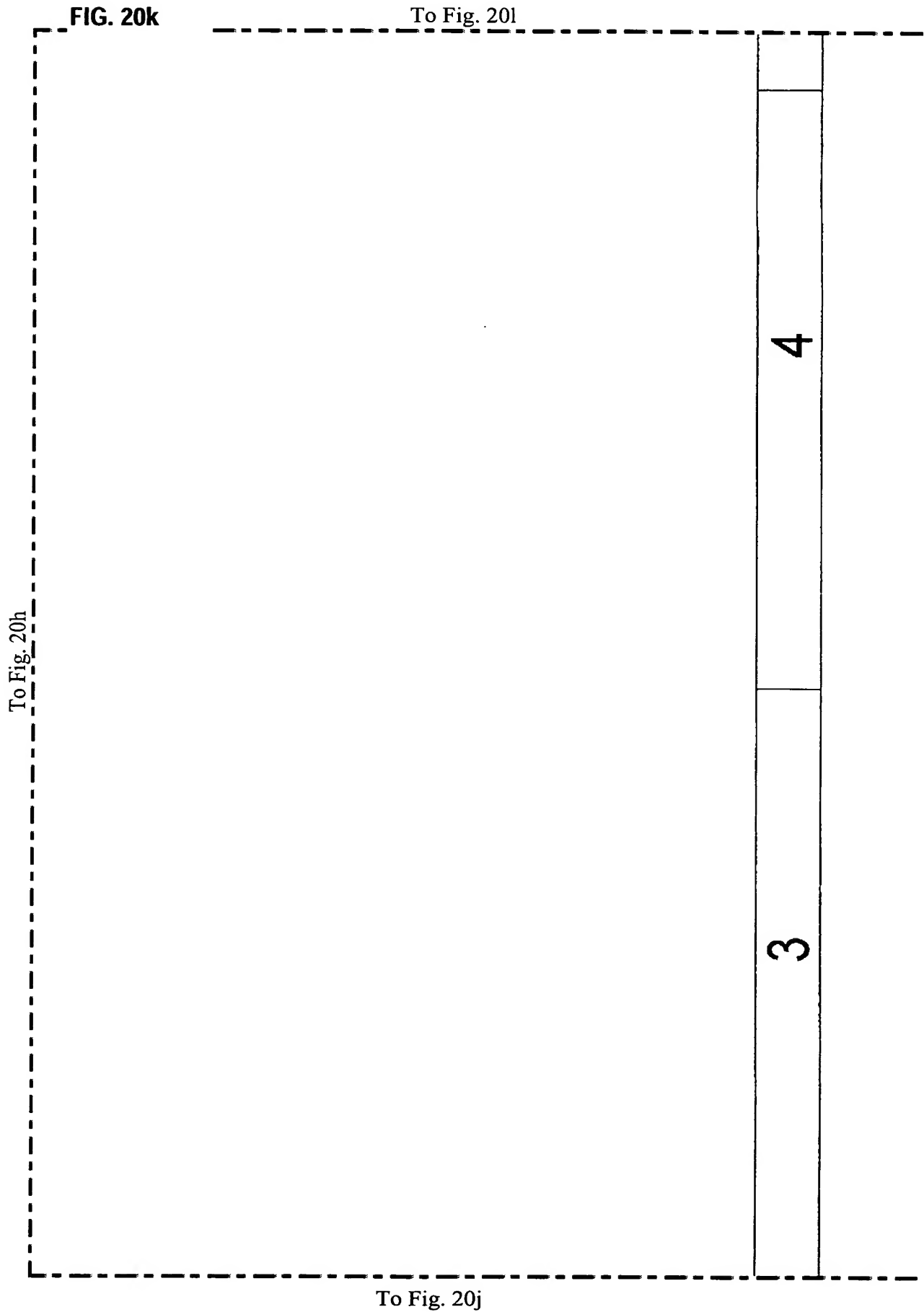
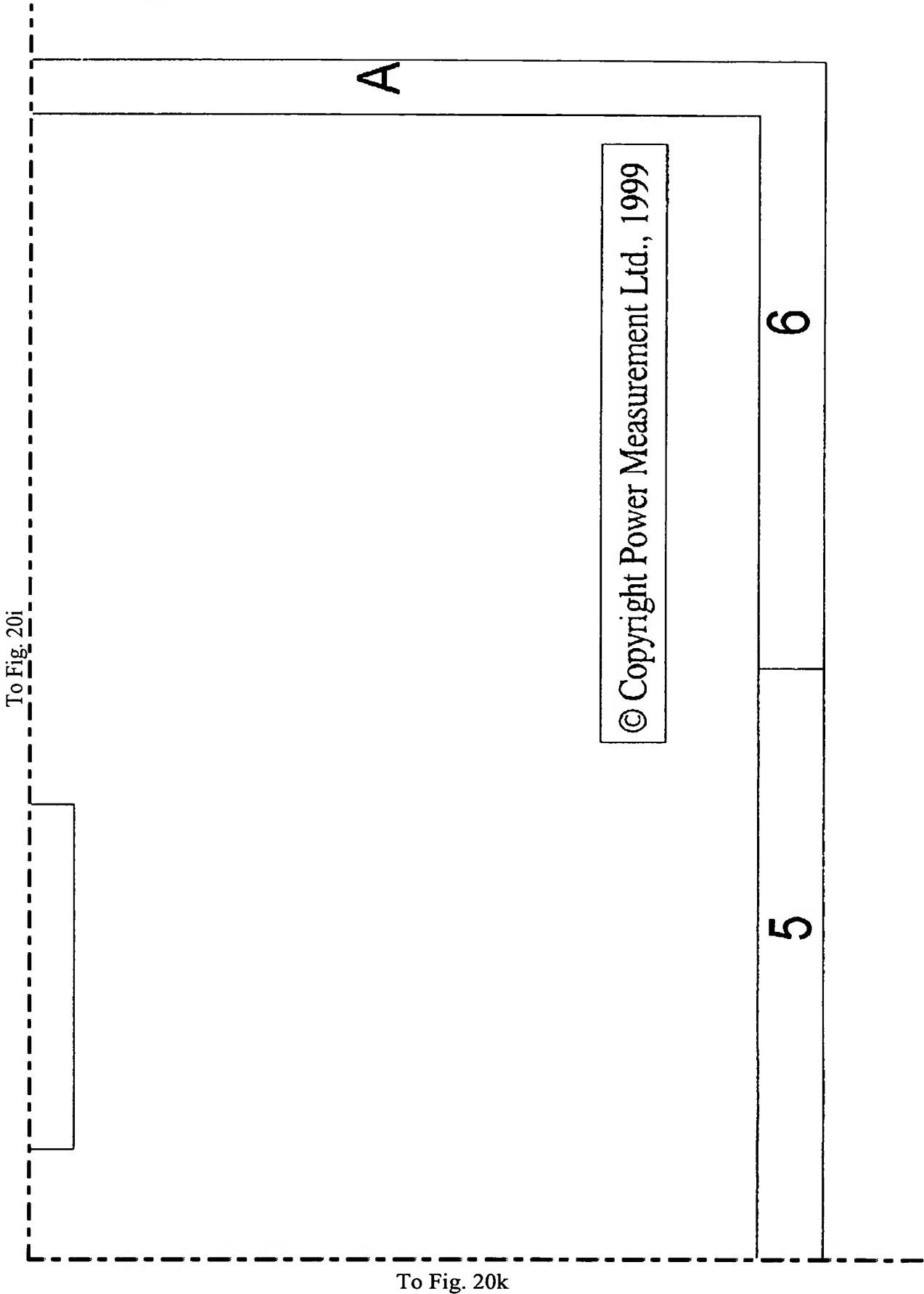


FIG. 20i



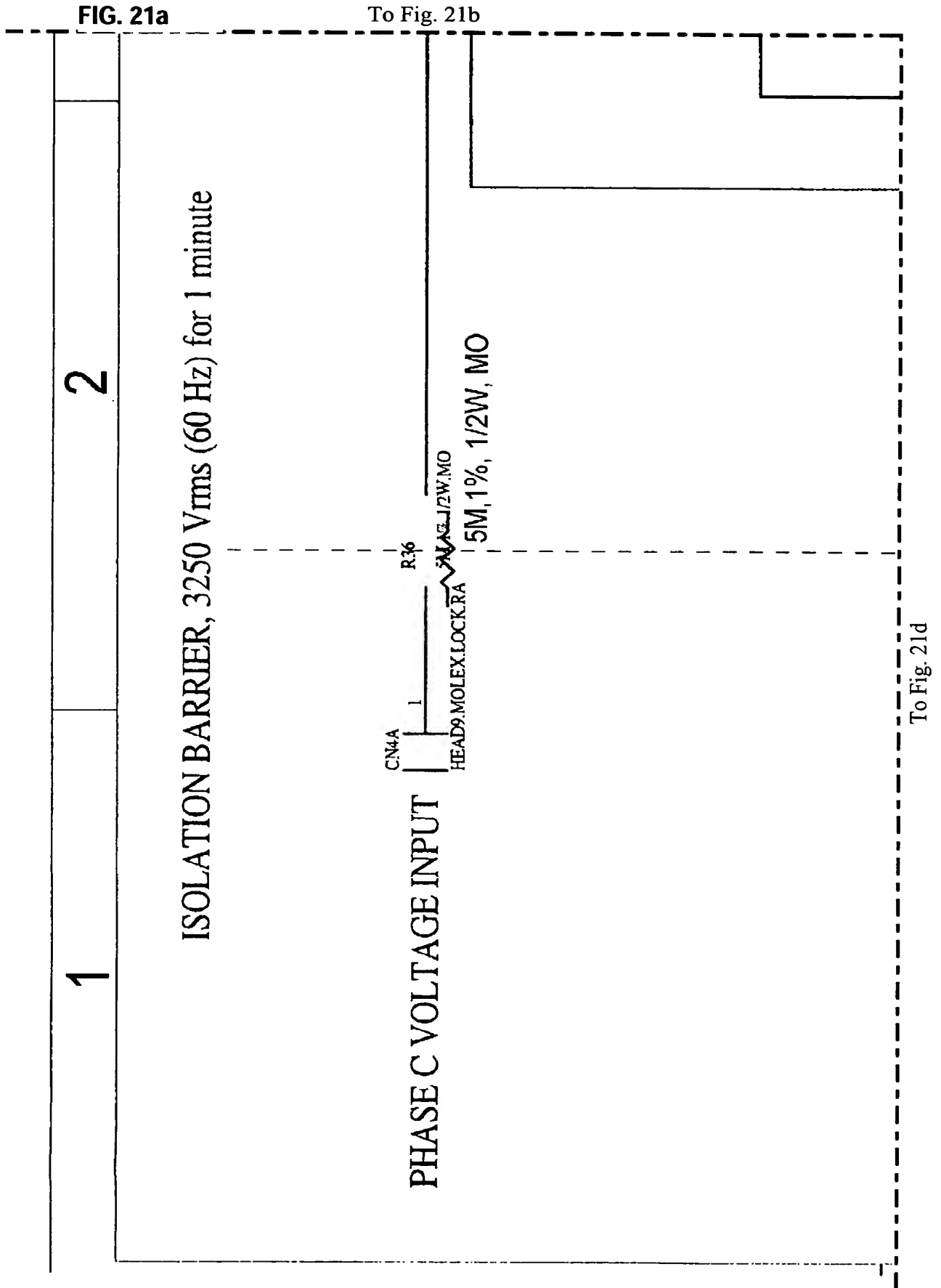


FIG. 21b

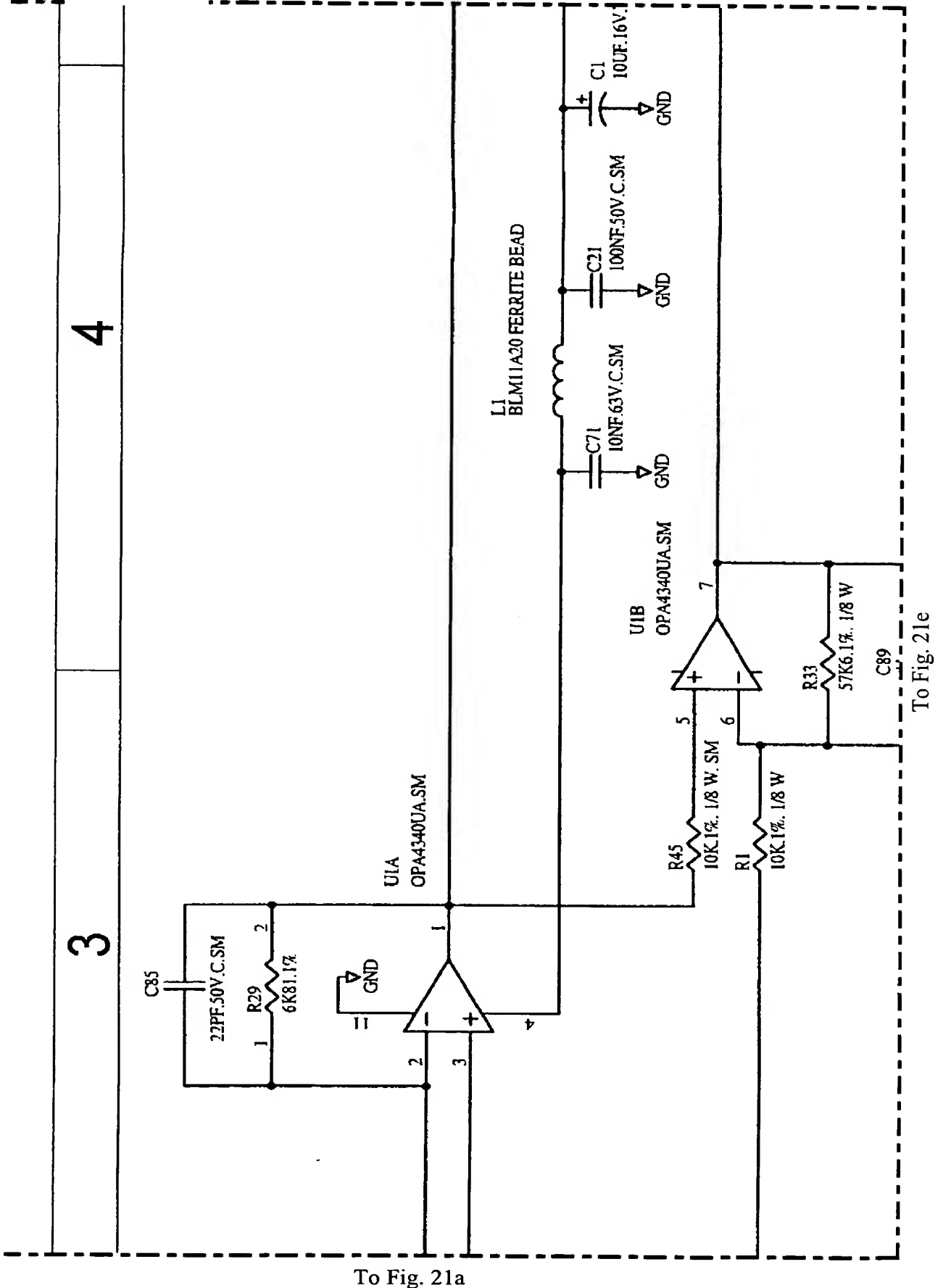
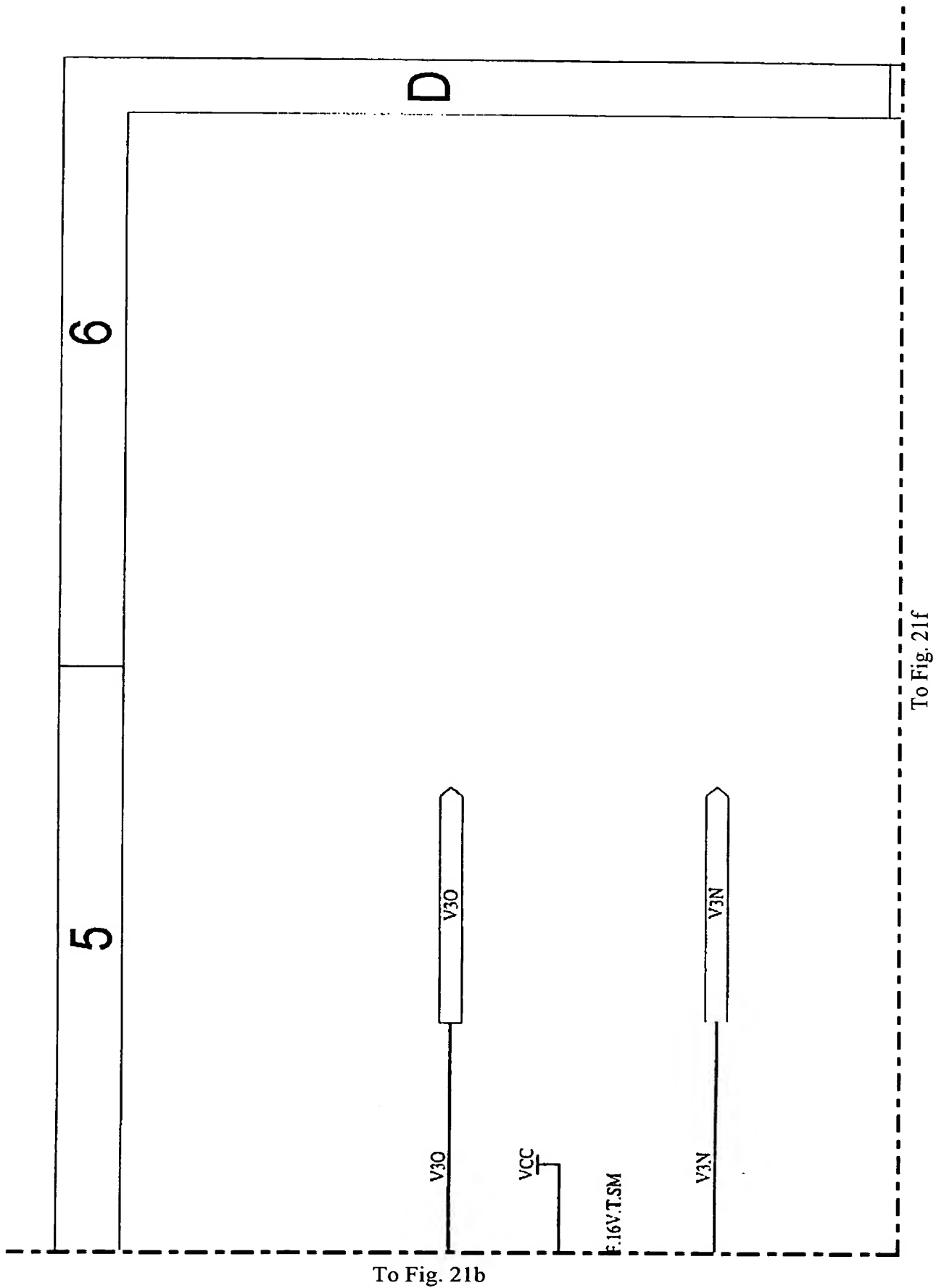
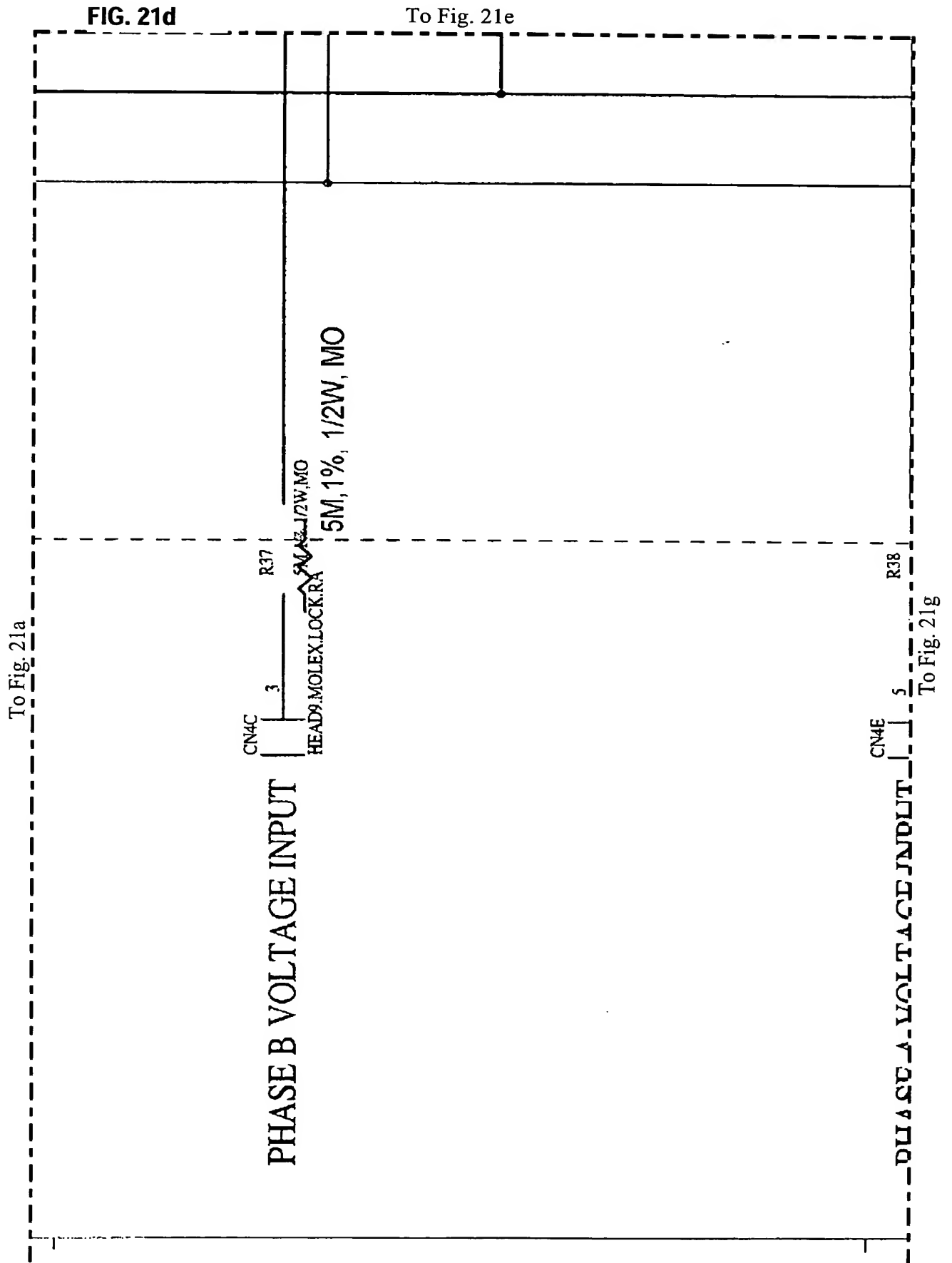


FIG. 21c





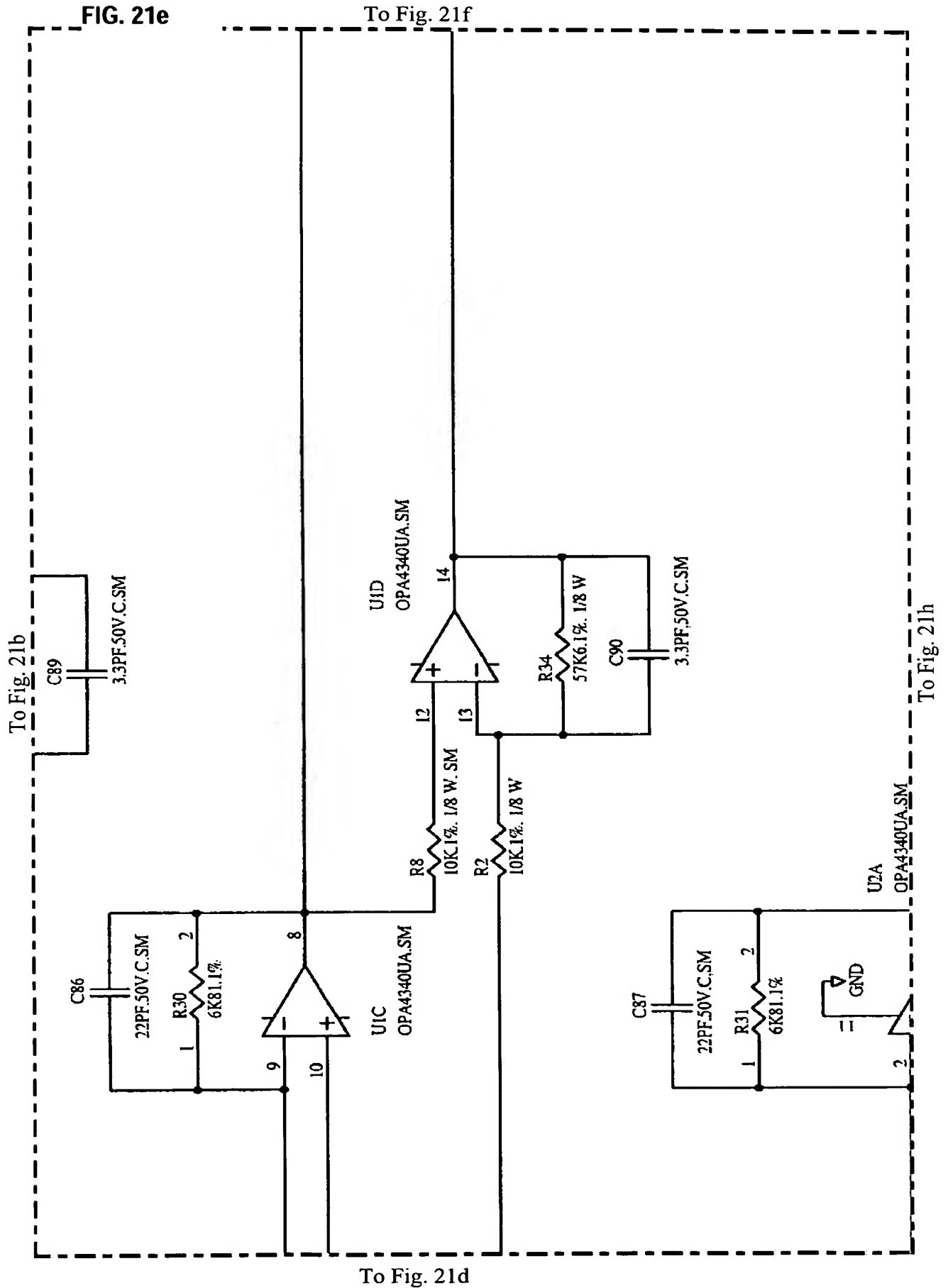
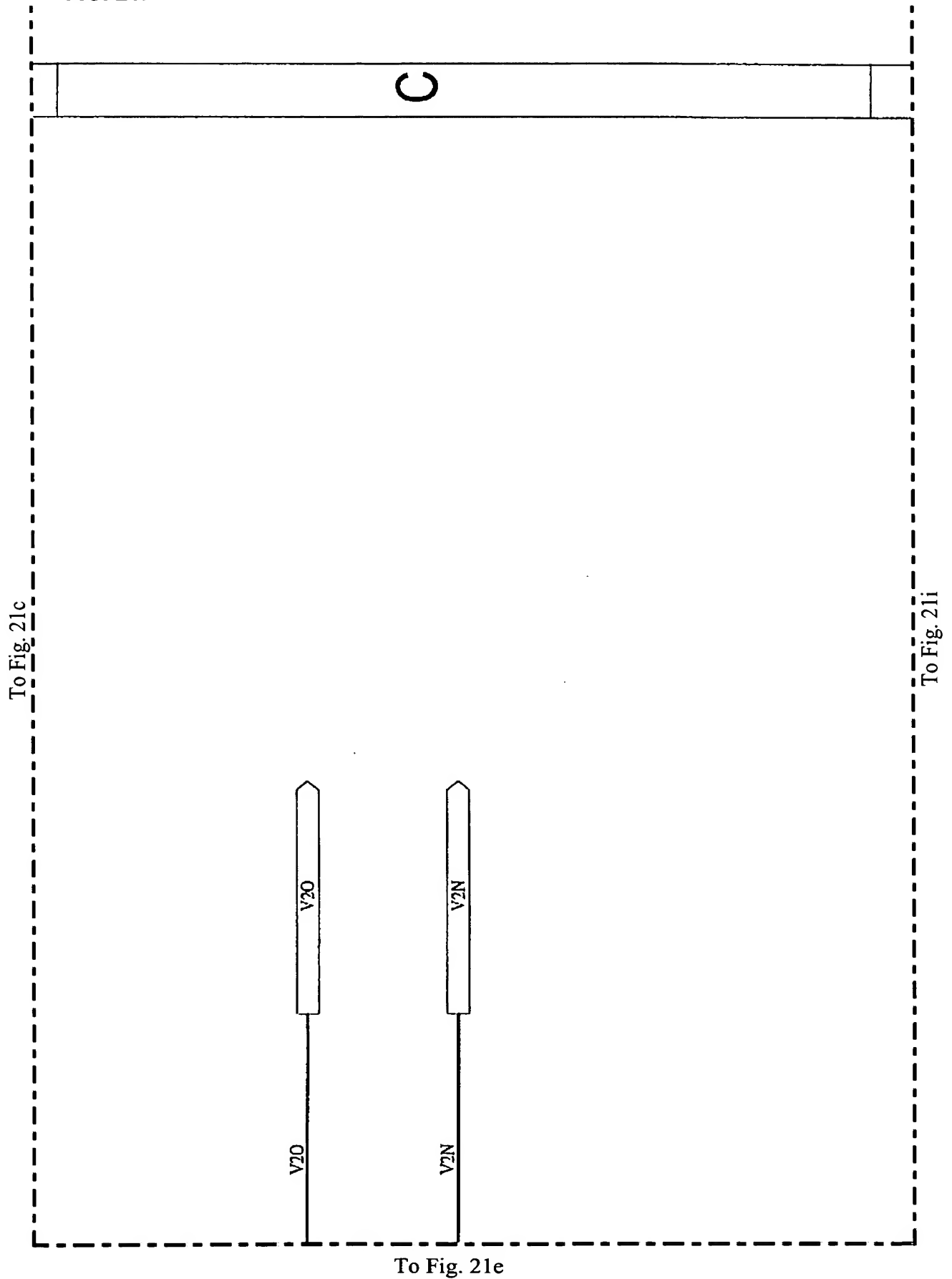
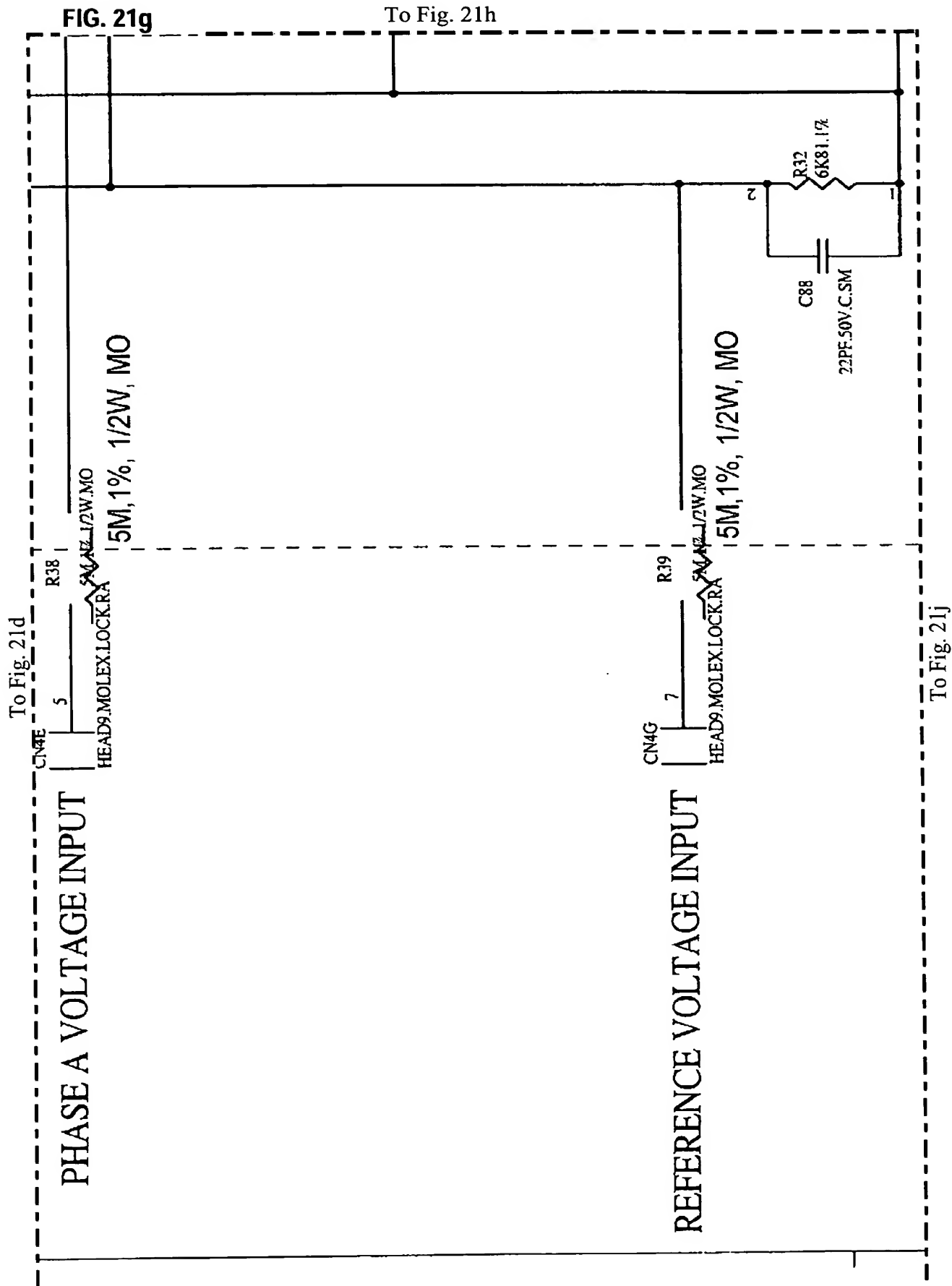


FIG. 21f





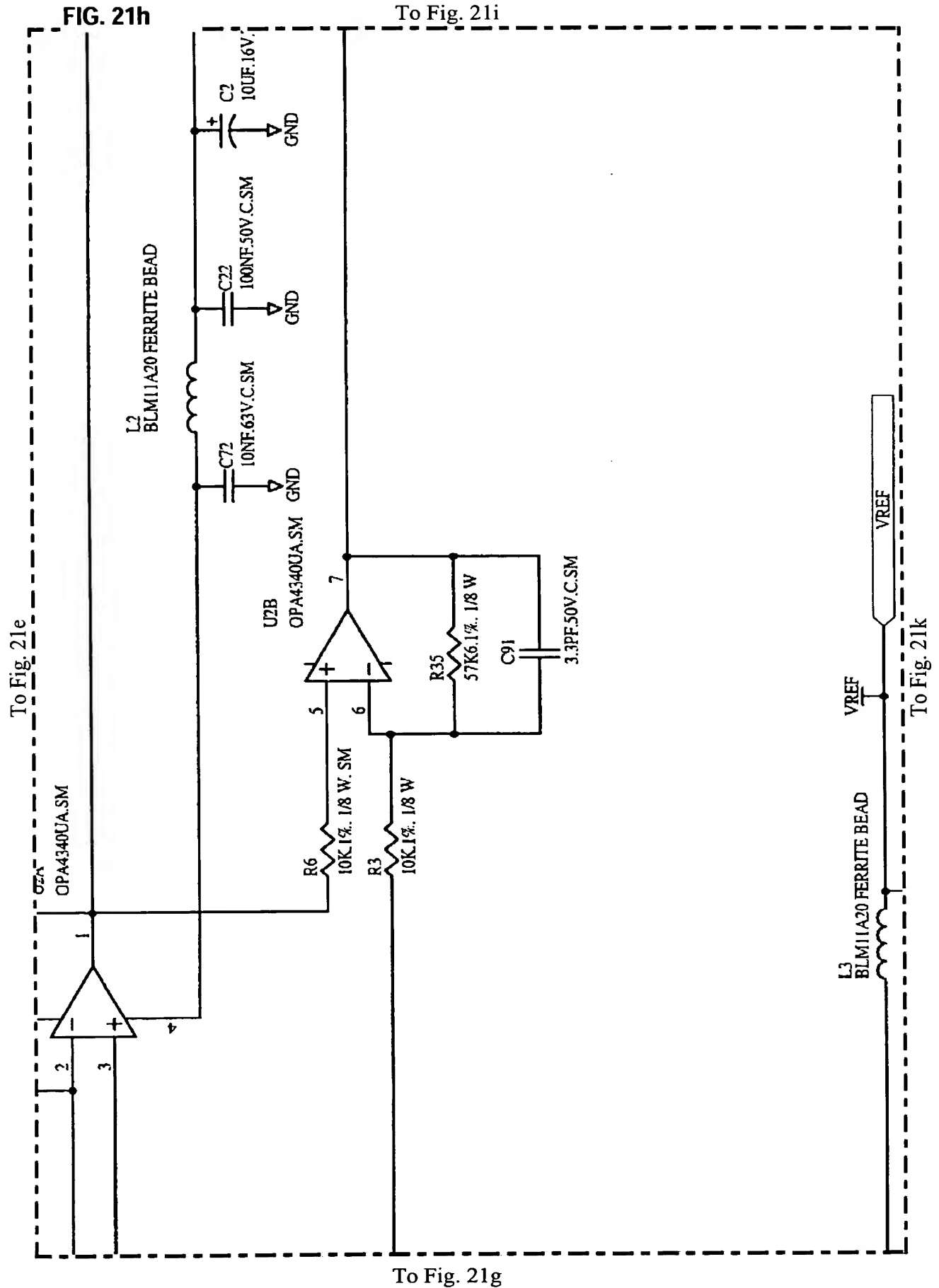
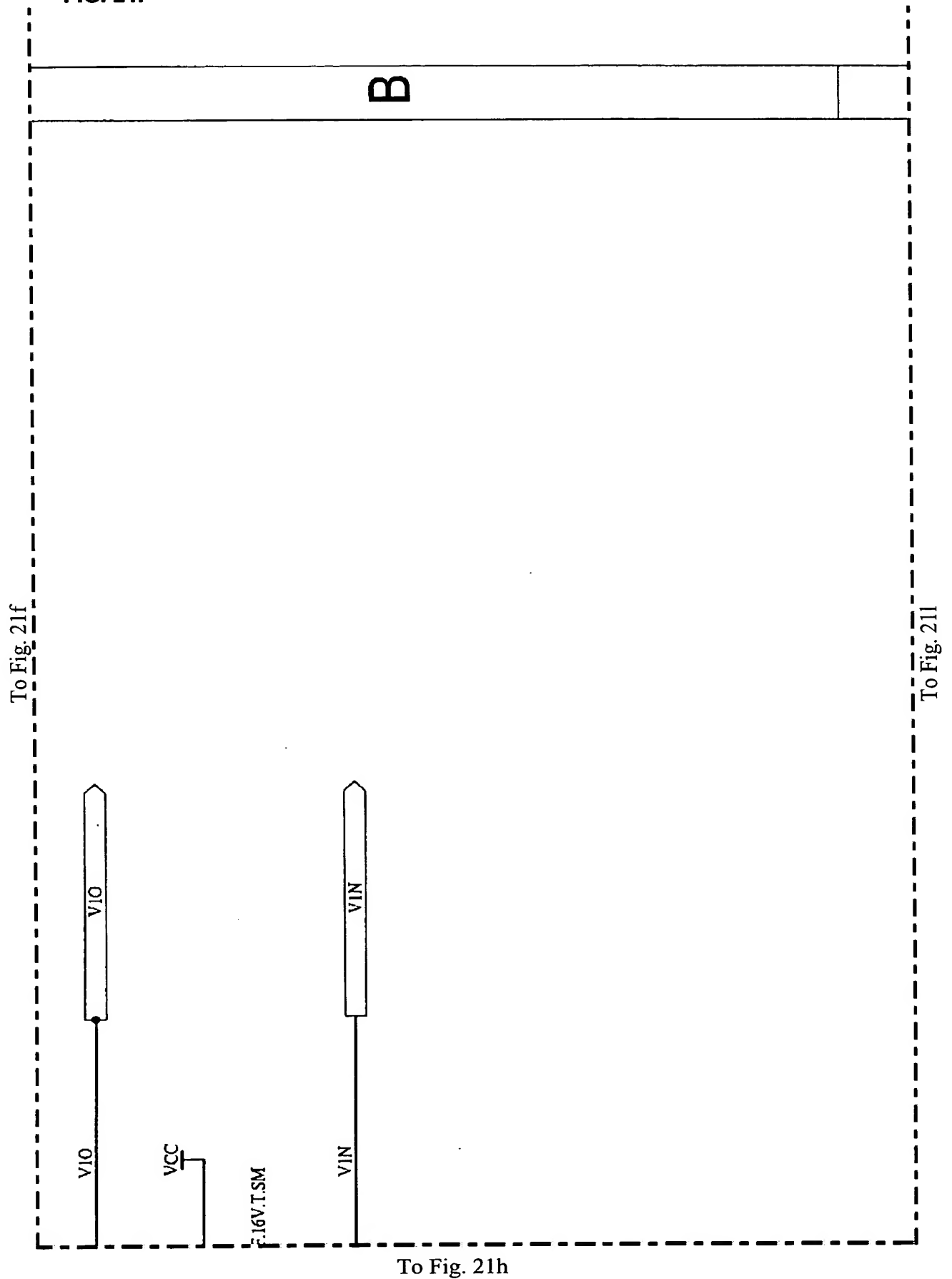
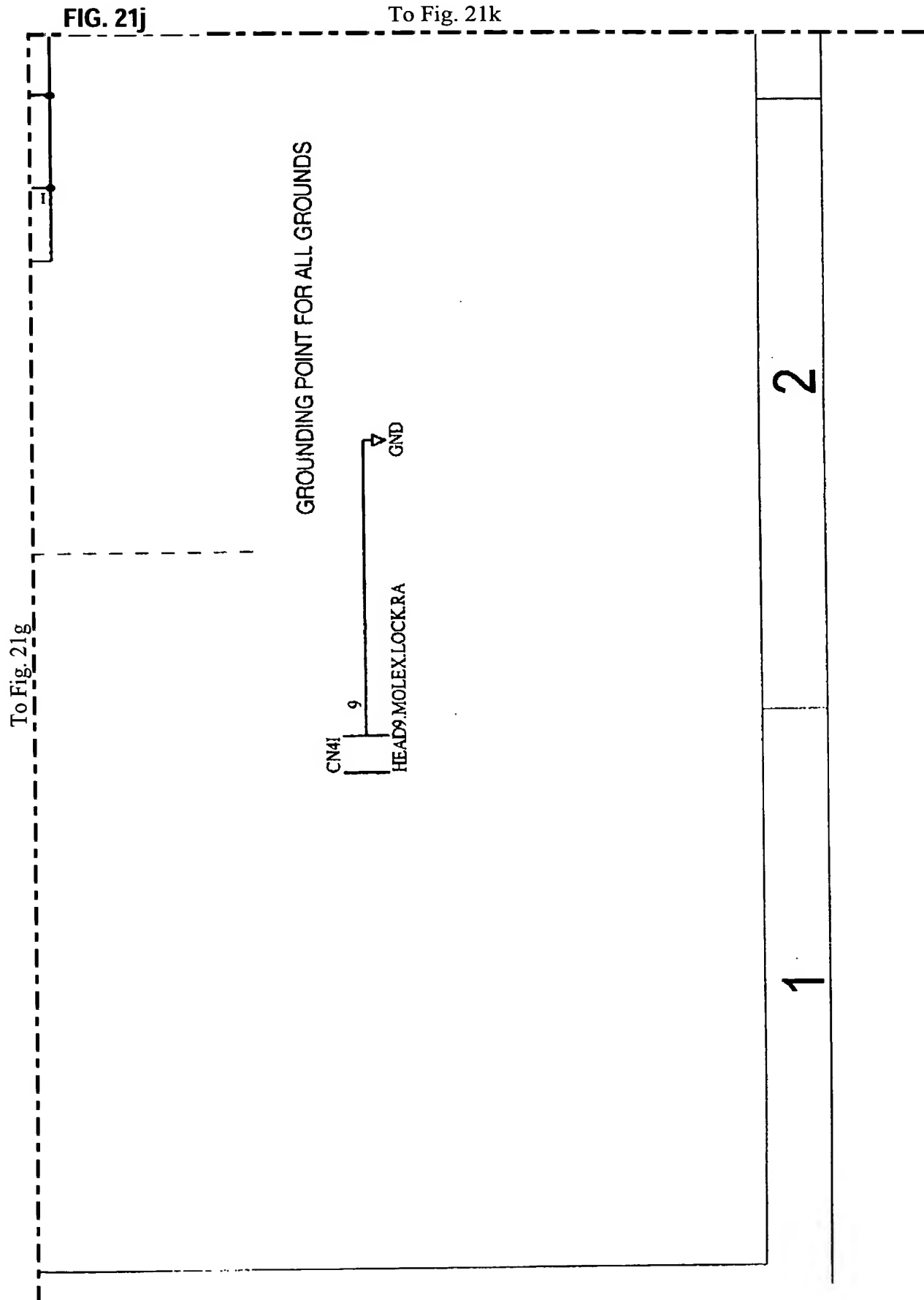


FIG. 21i





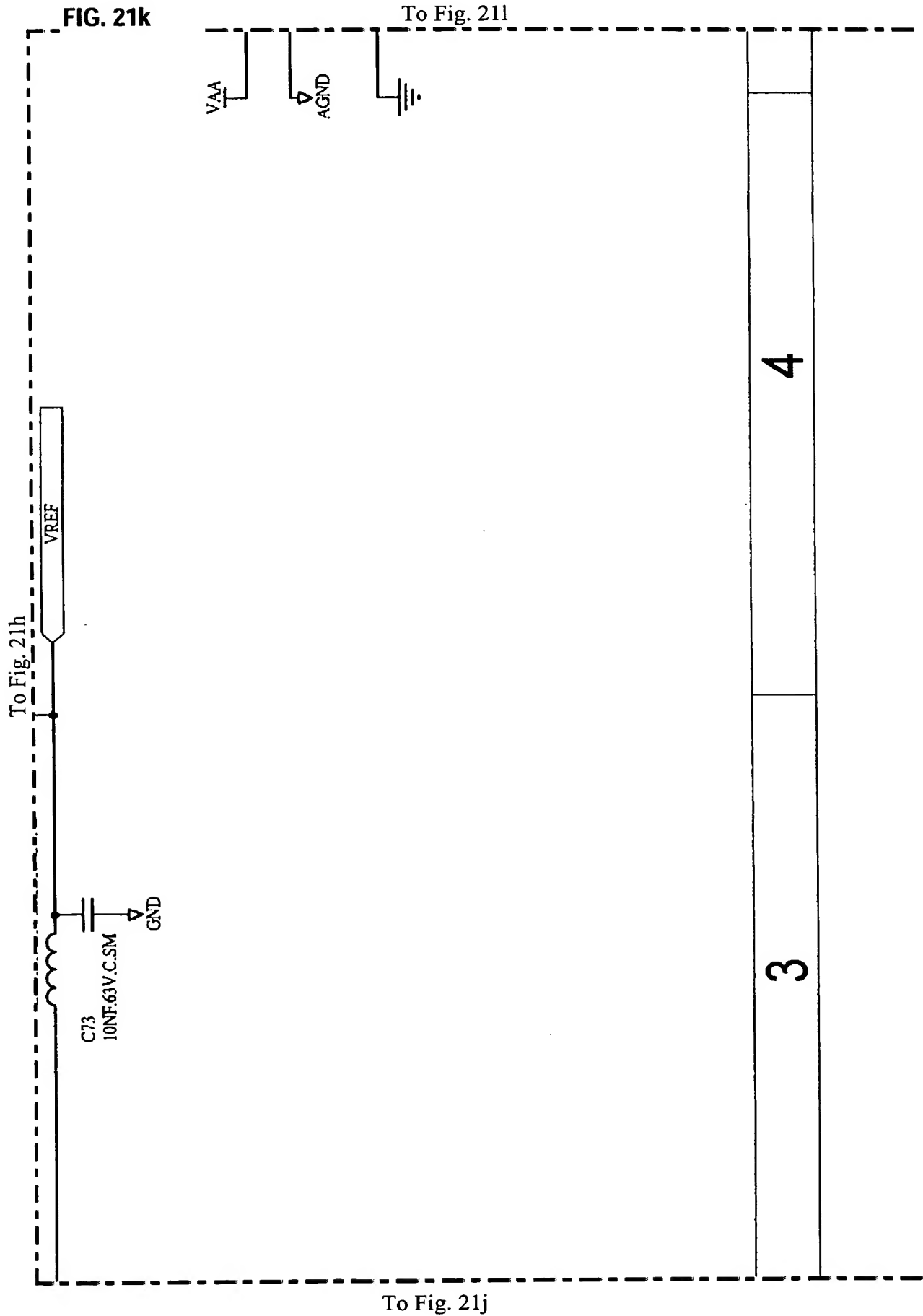
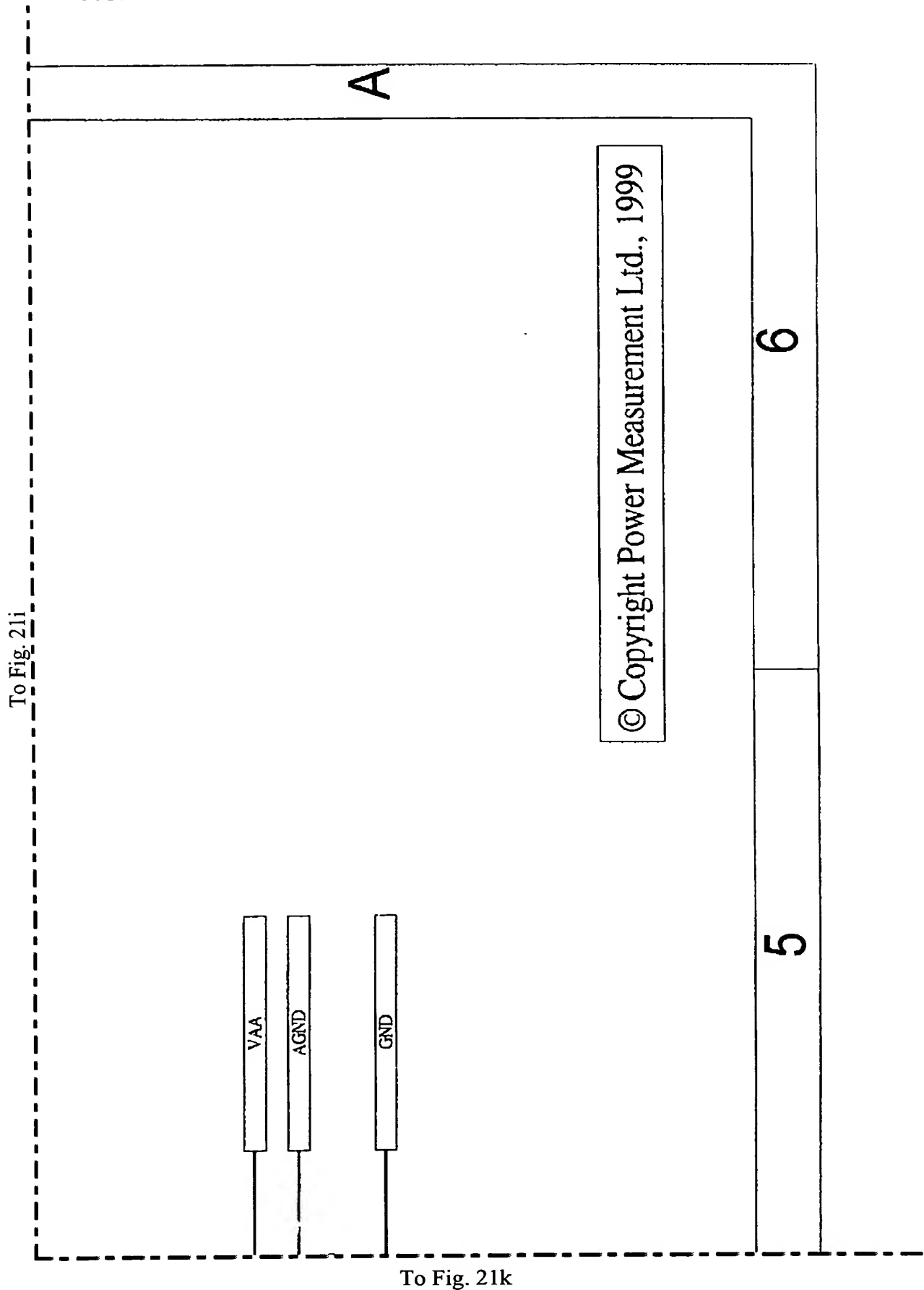
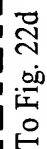


FIG. 21I



To Fig. 22b



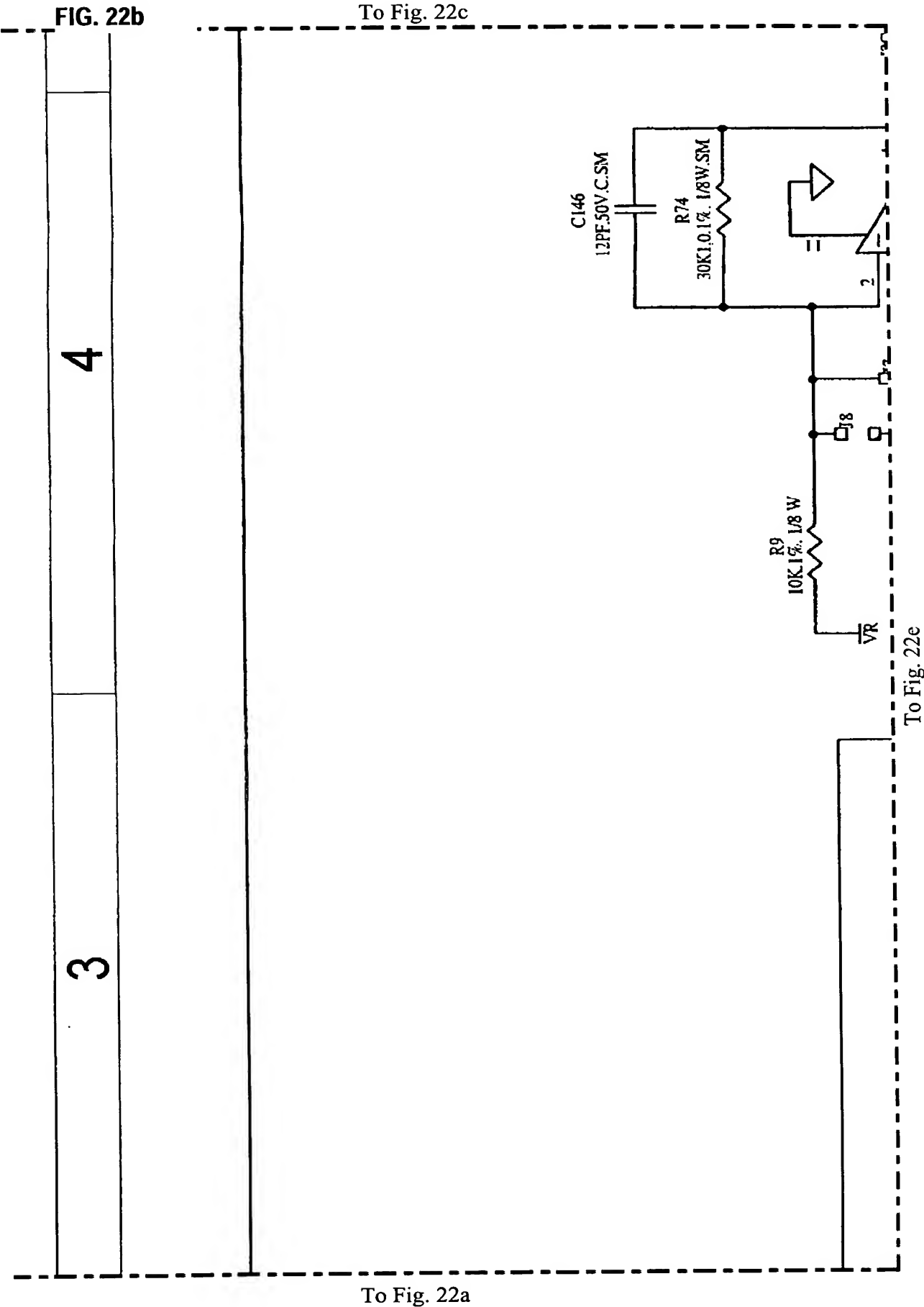
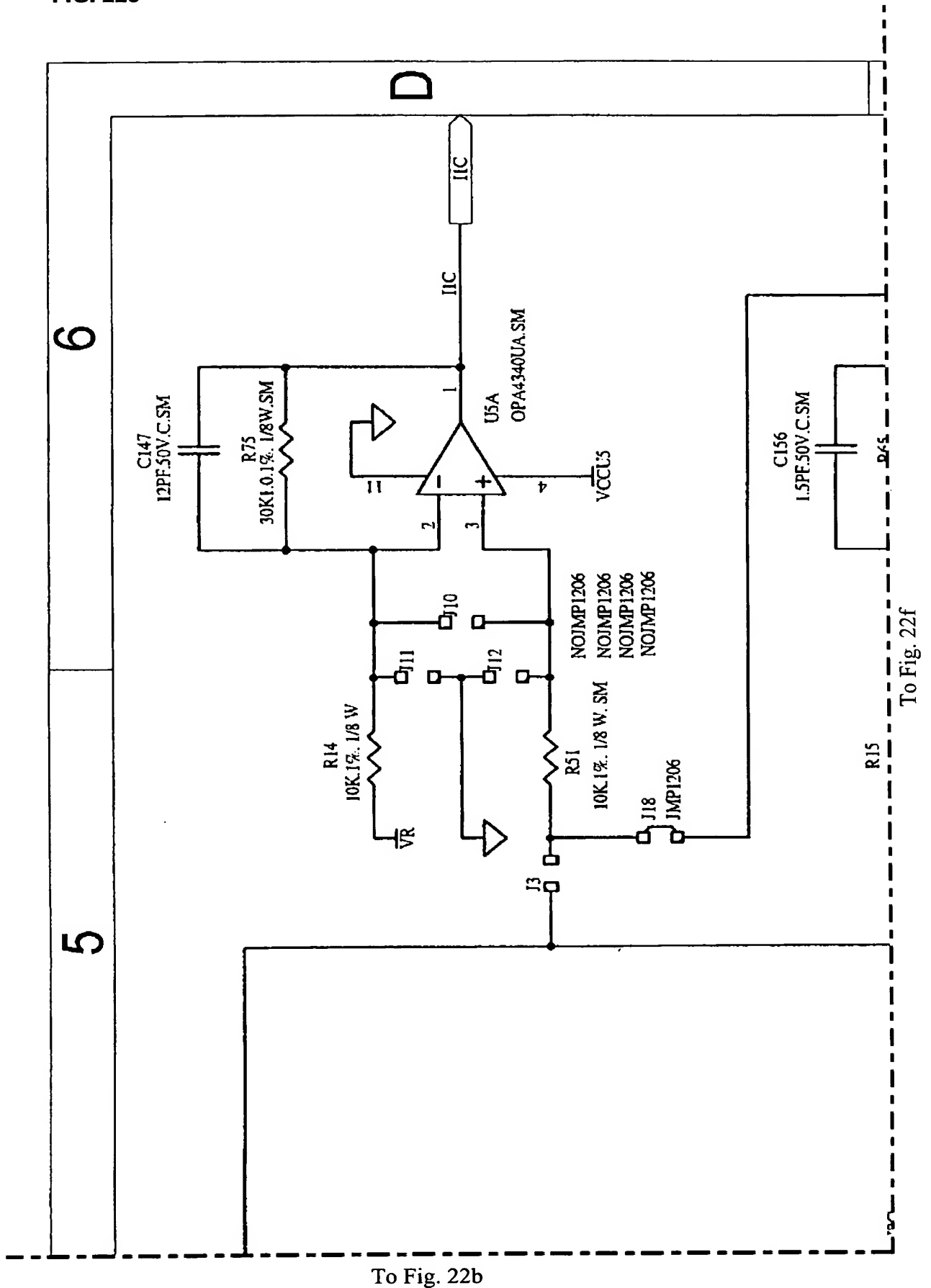
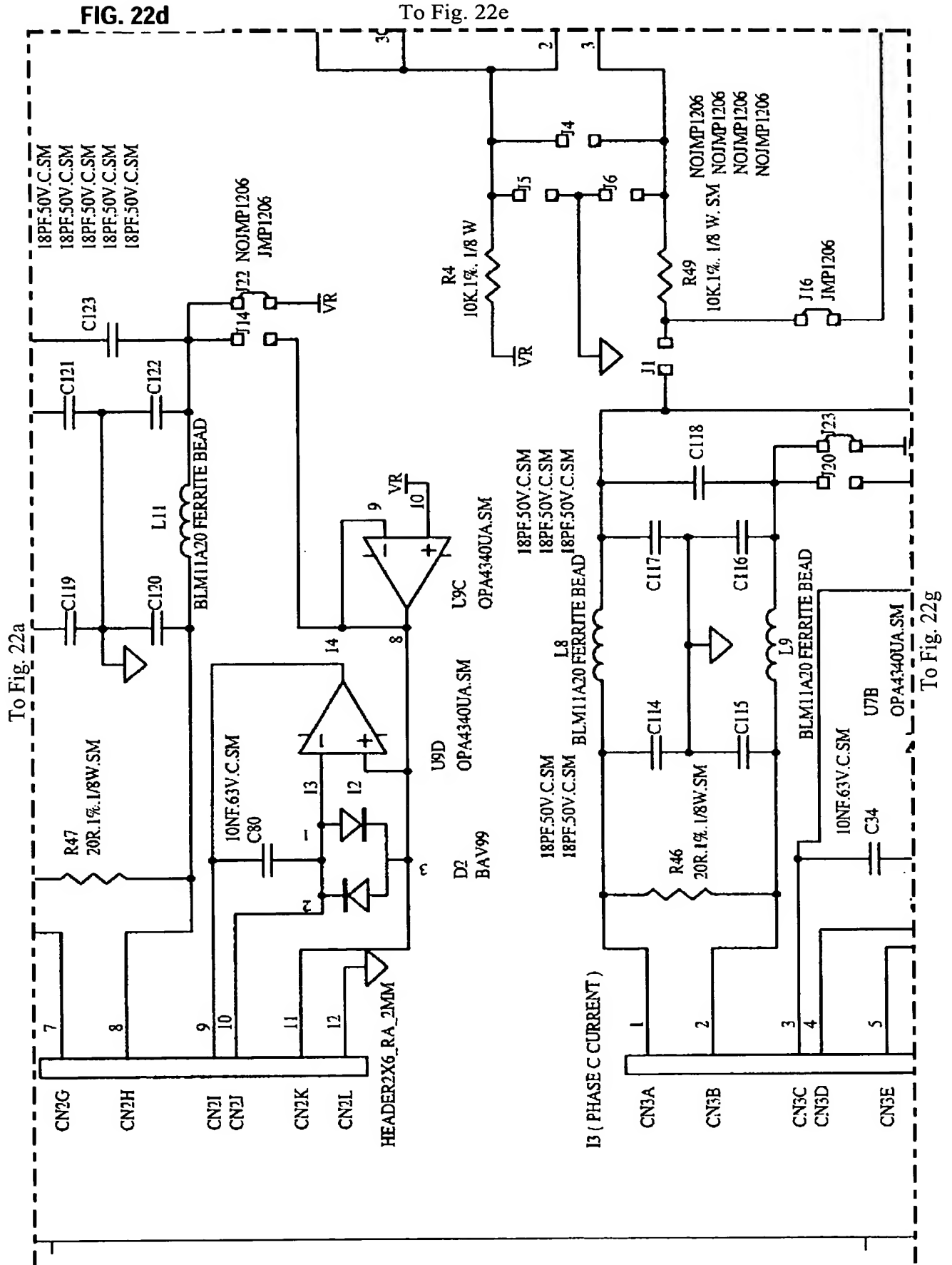


FIG. 22c





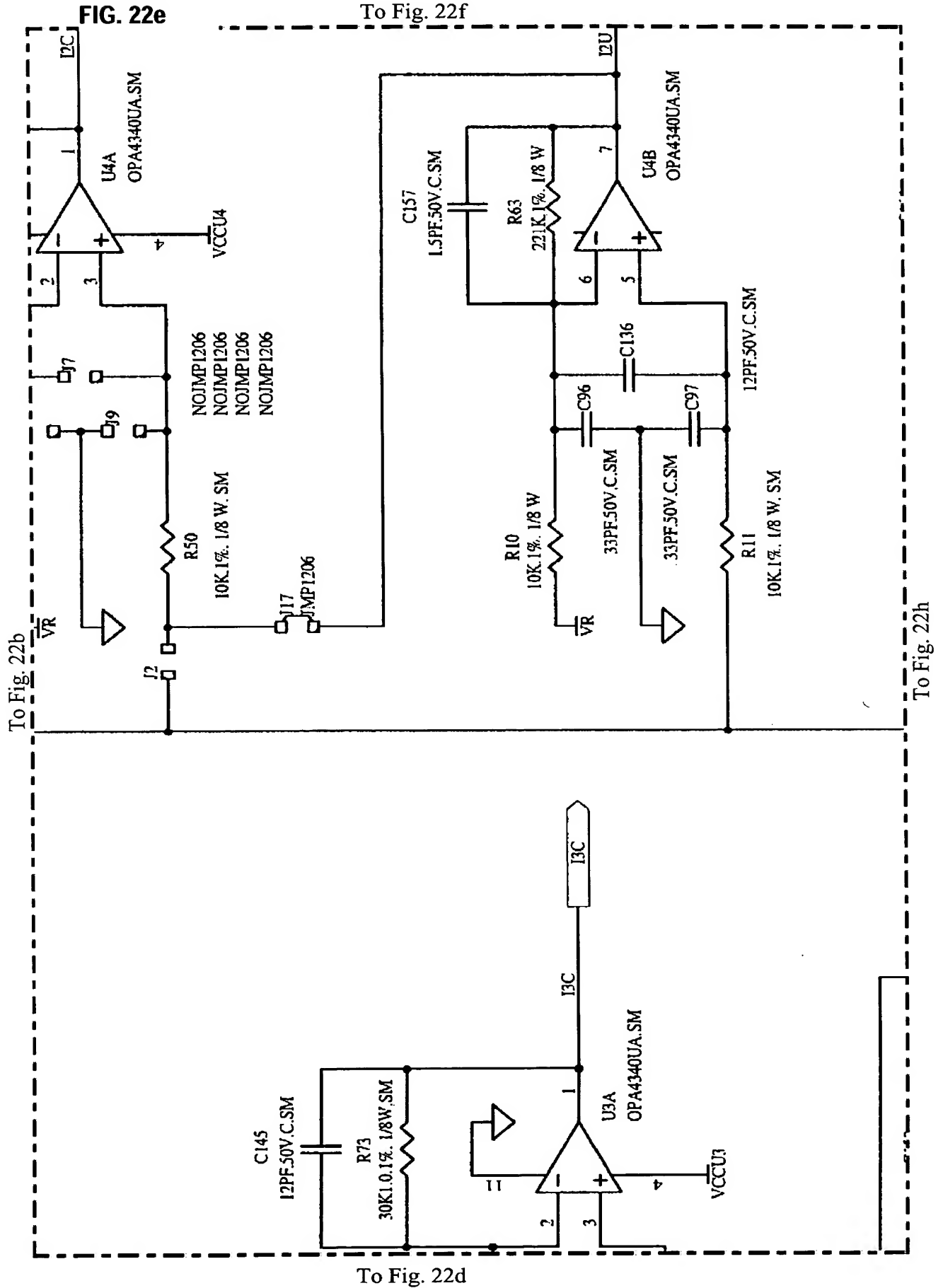
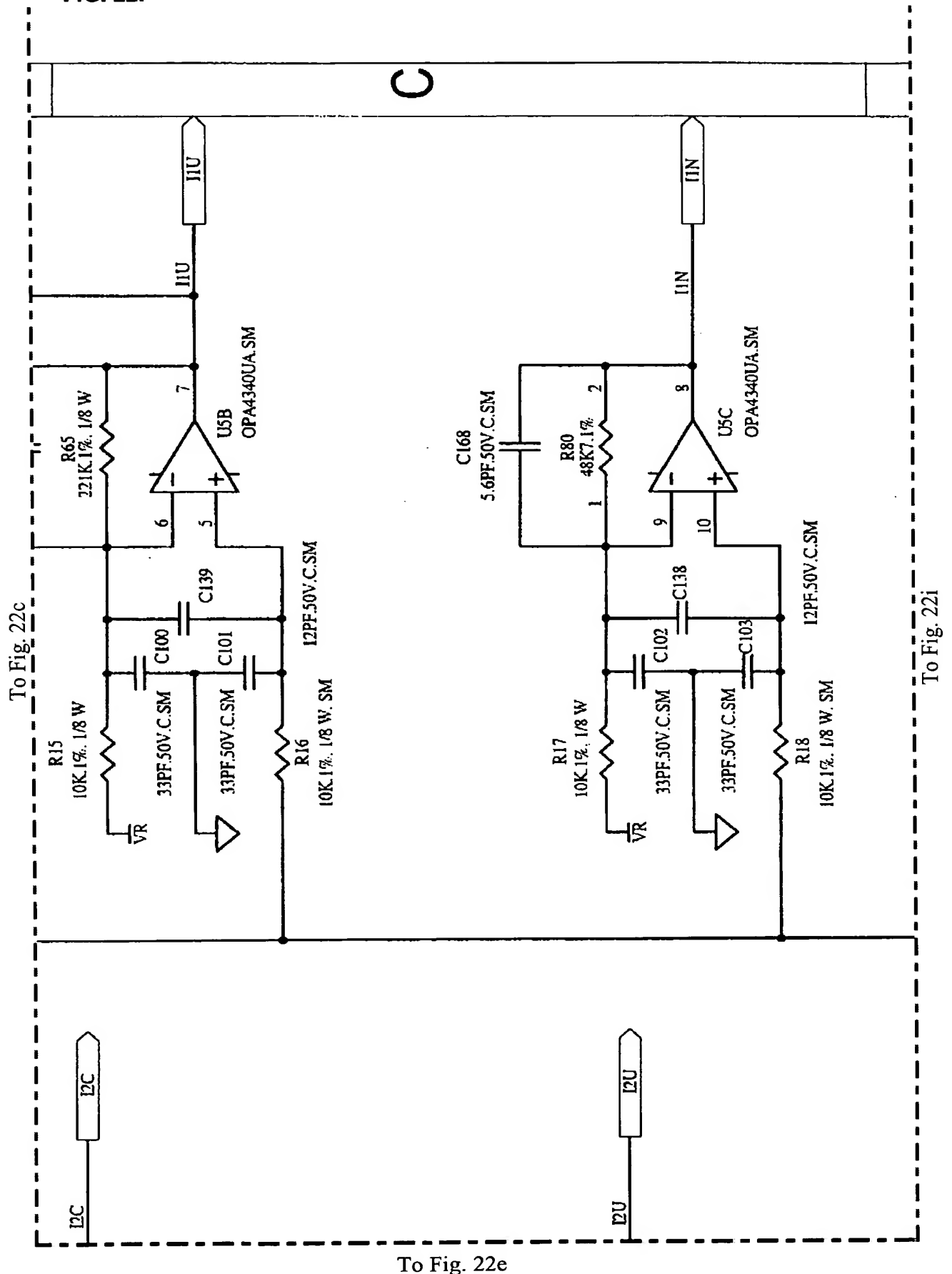
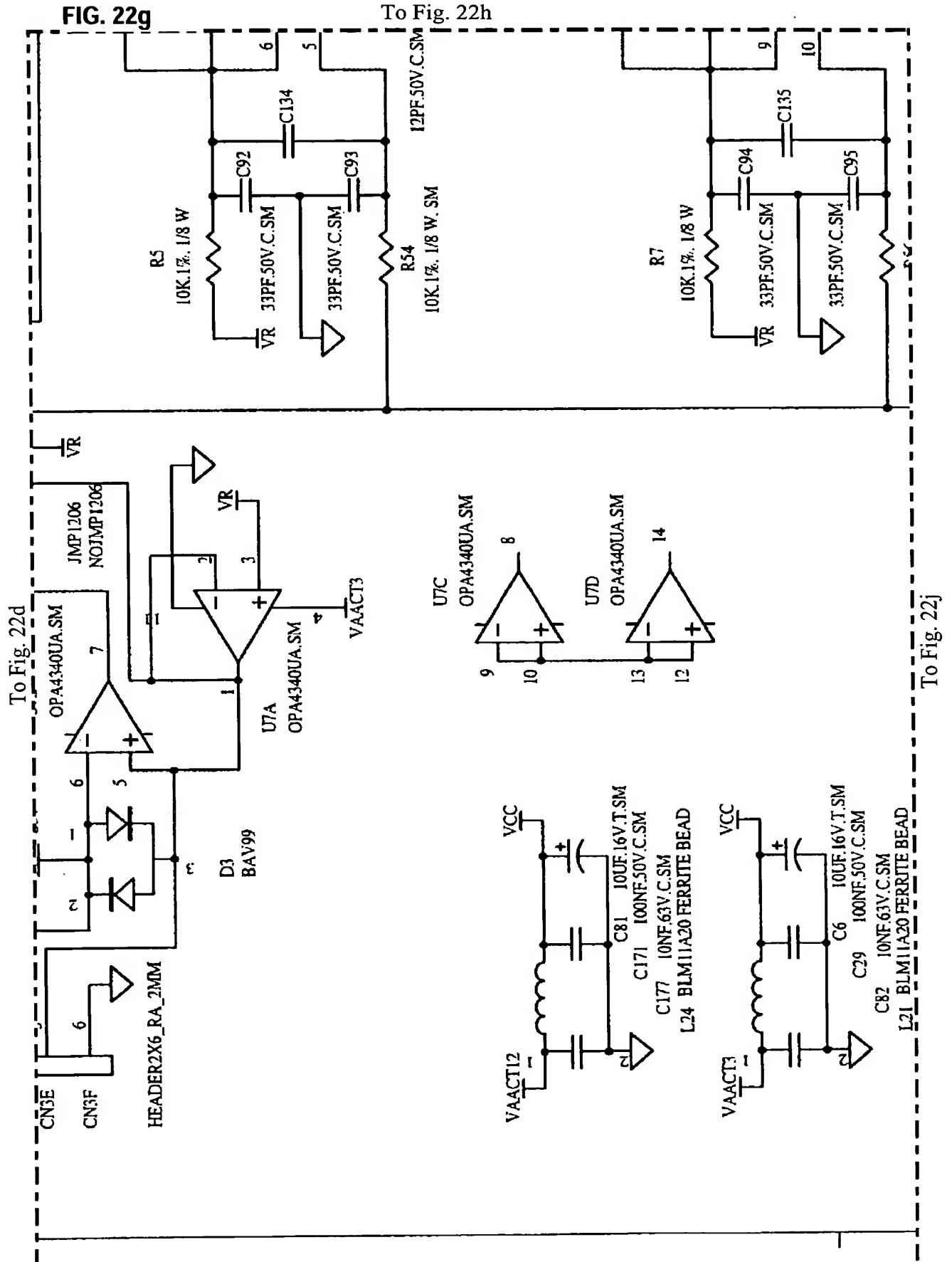


FIG. 22f



To Fig. 22e



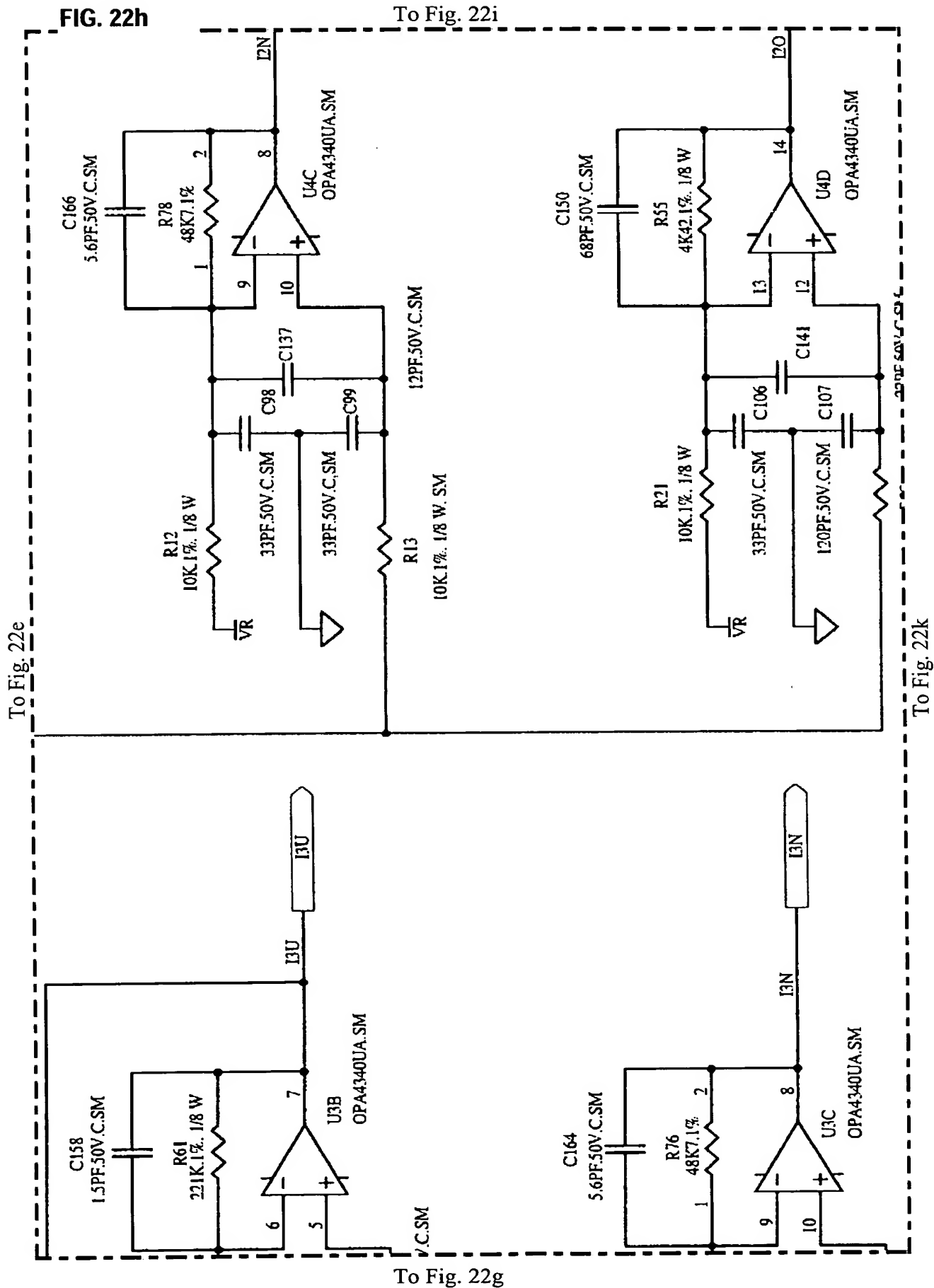
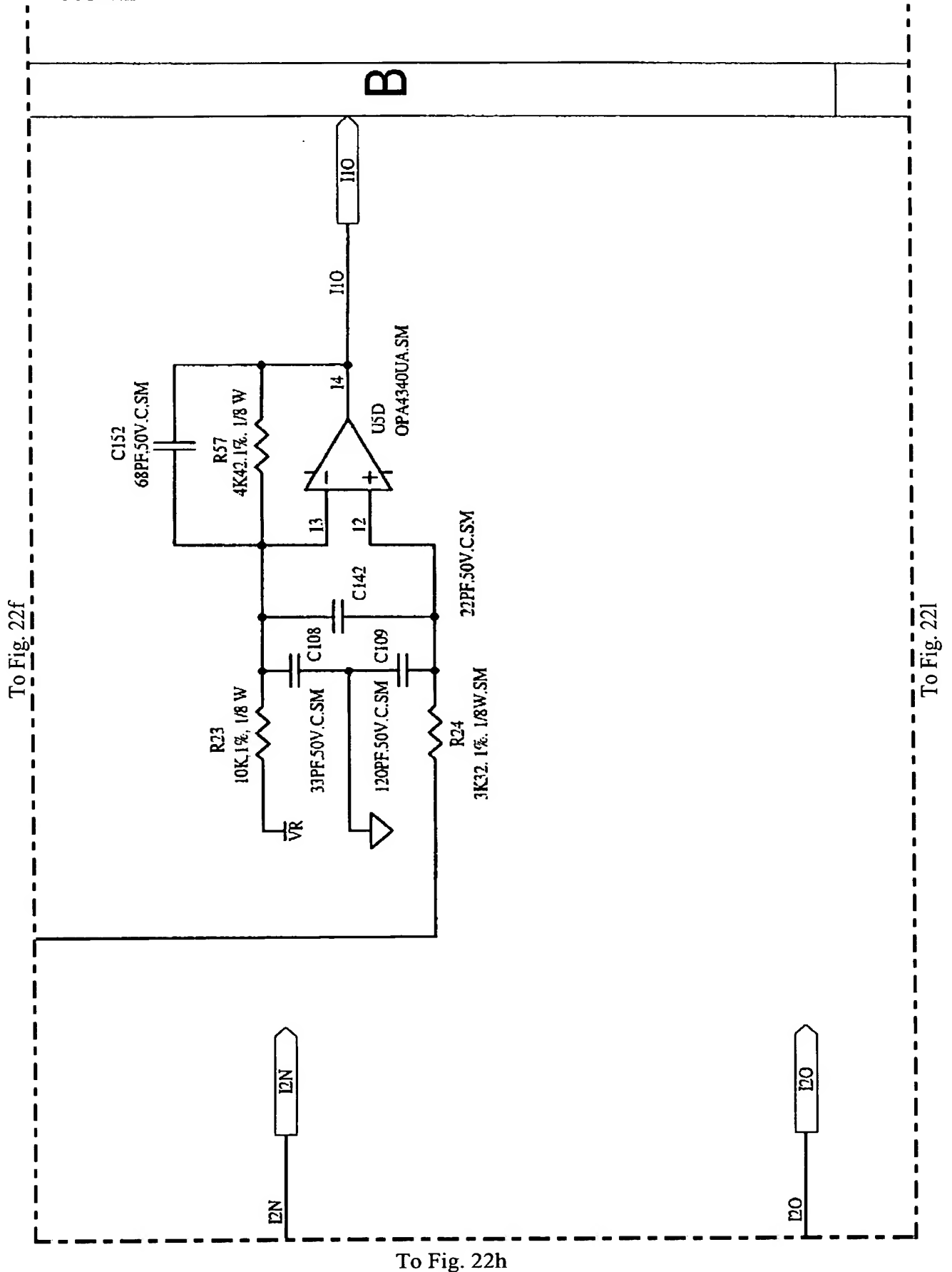
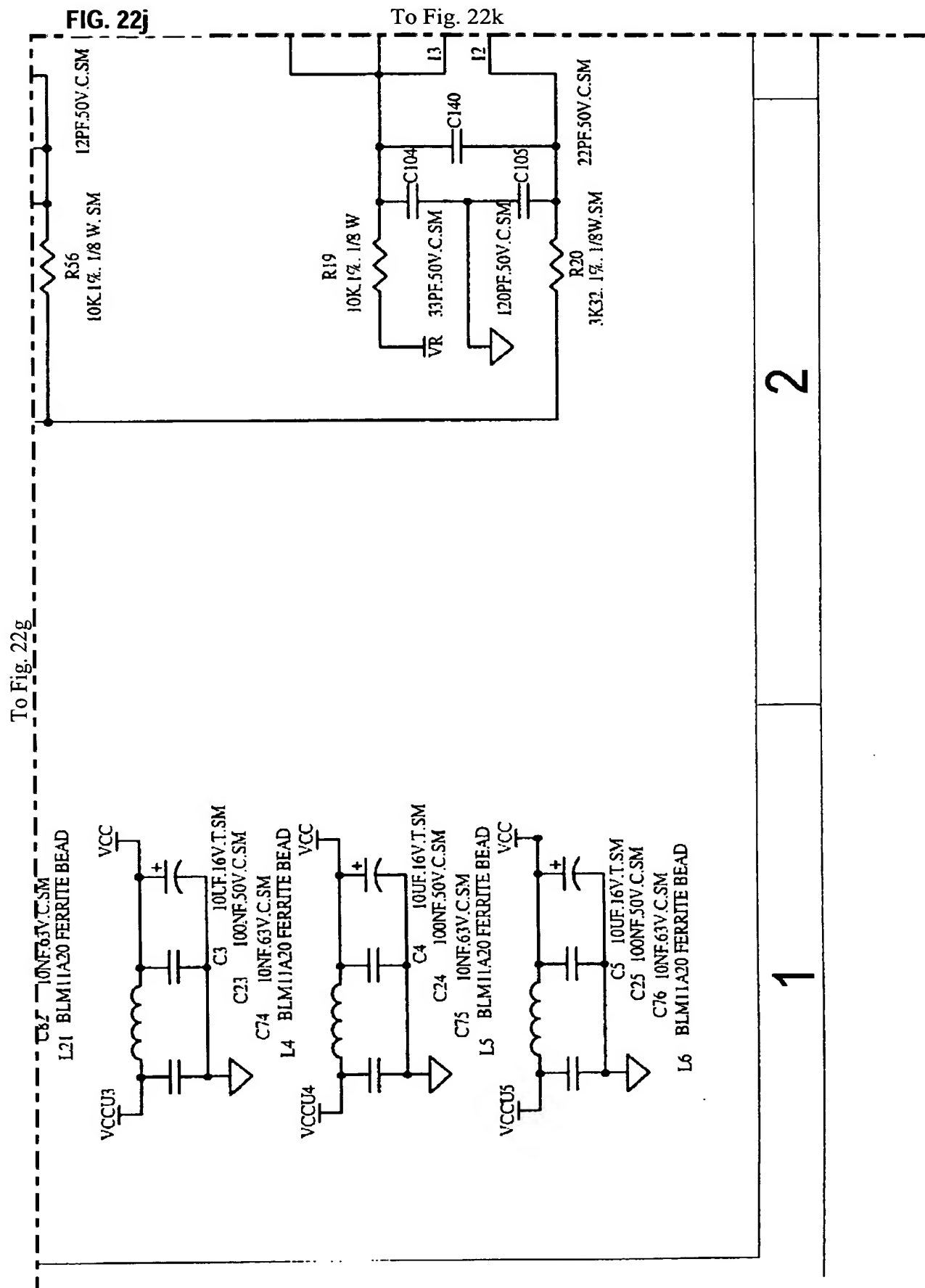


FIG. 22i





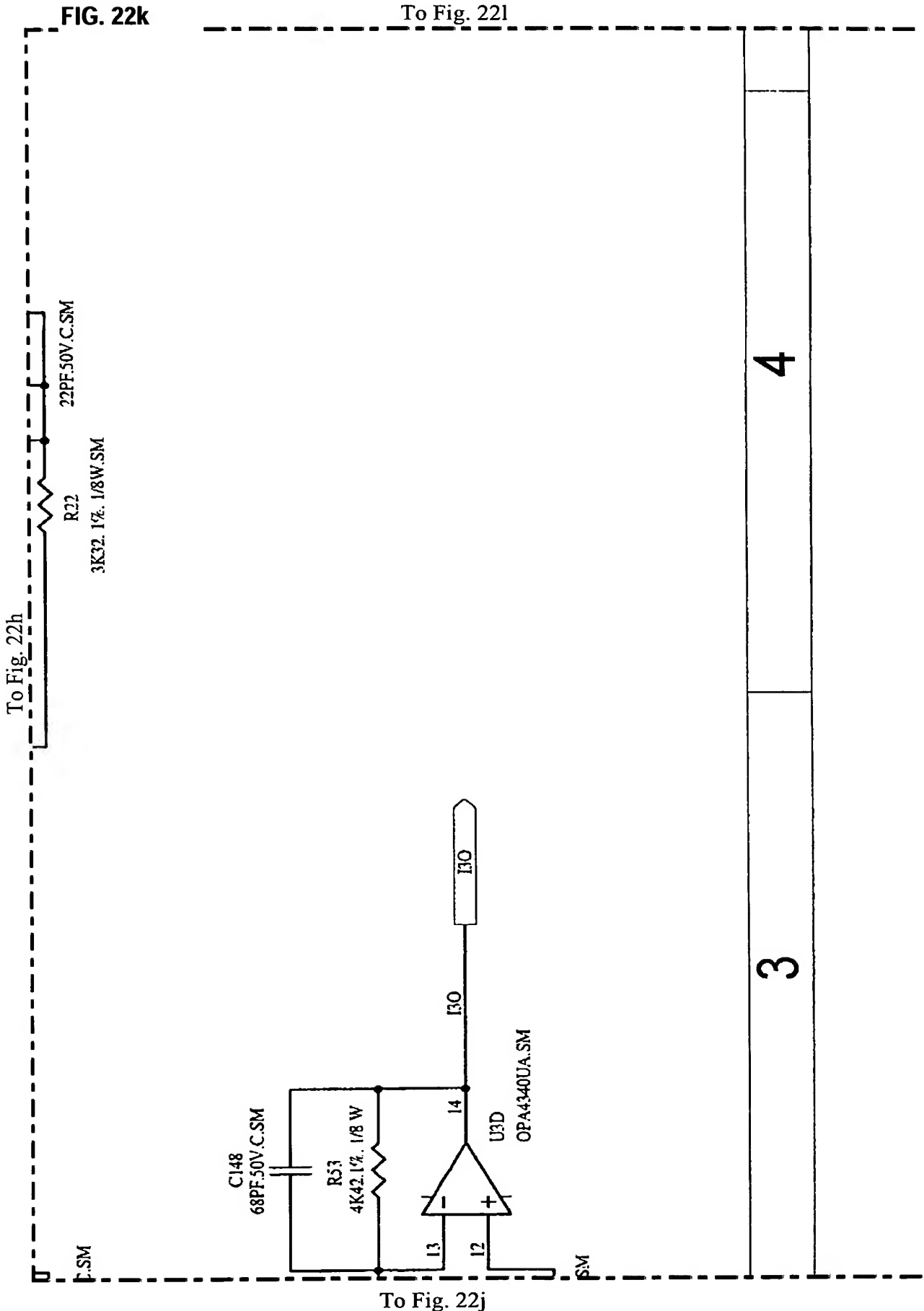
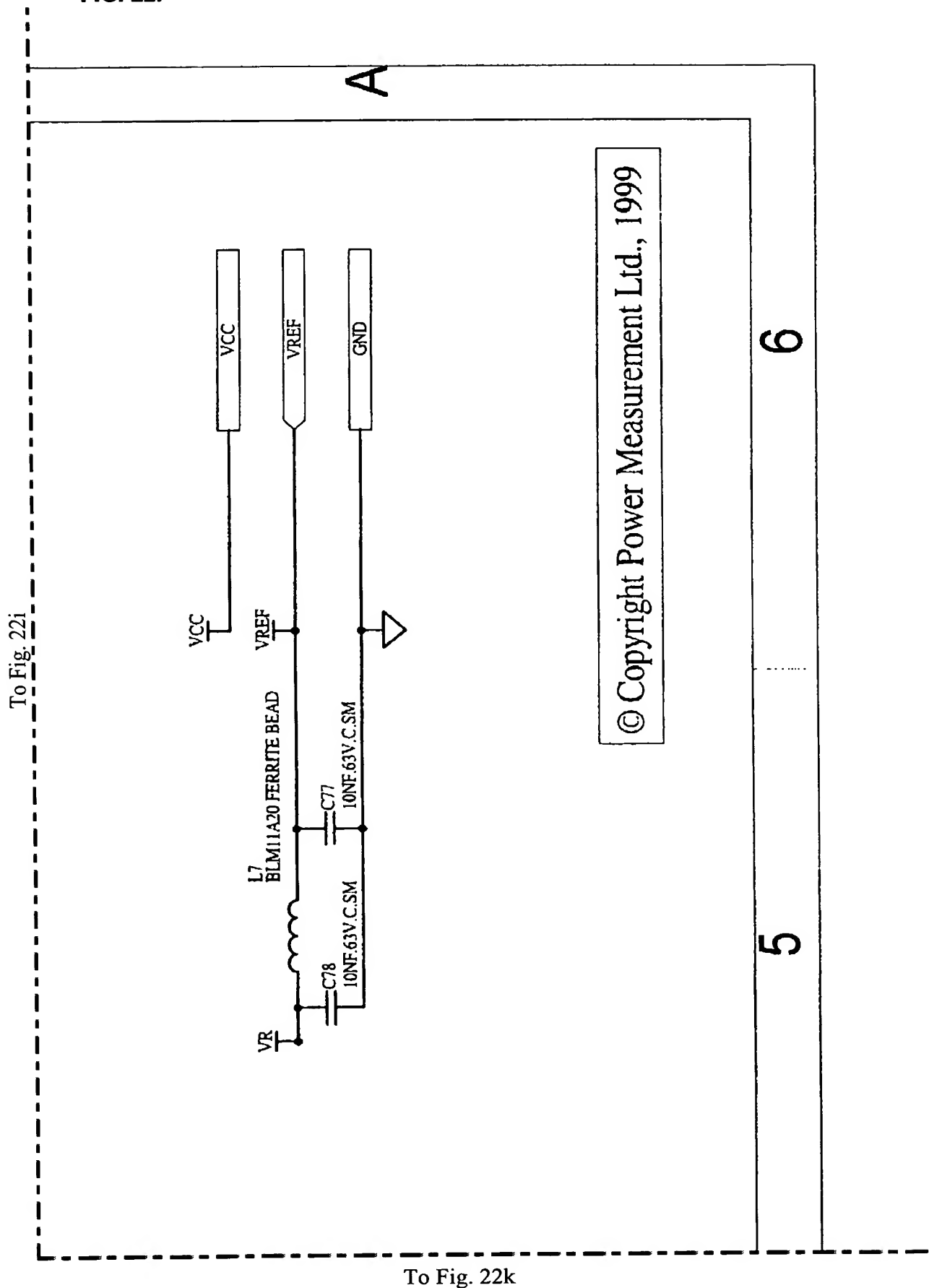
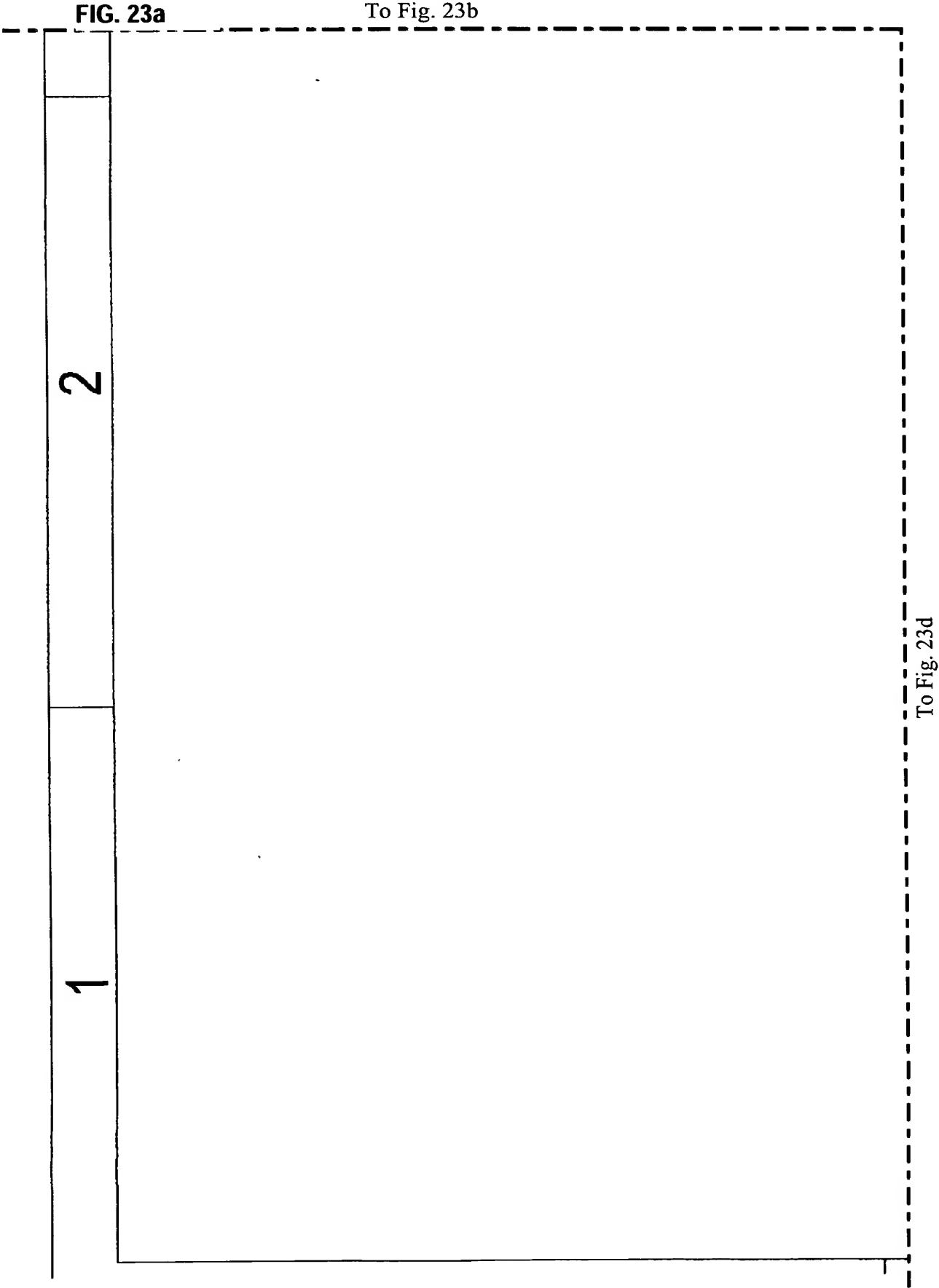


FIG. 22I





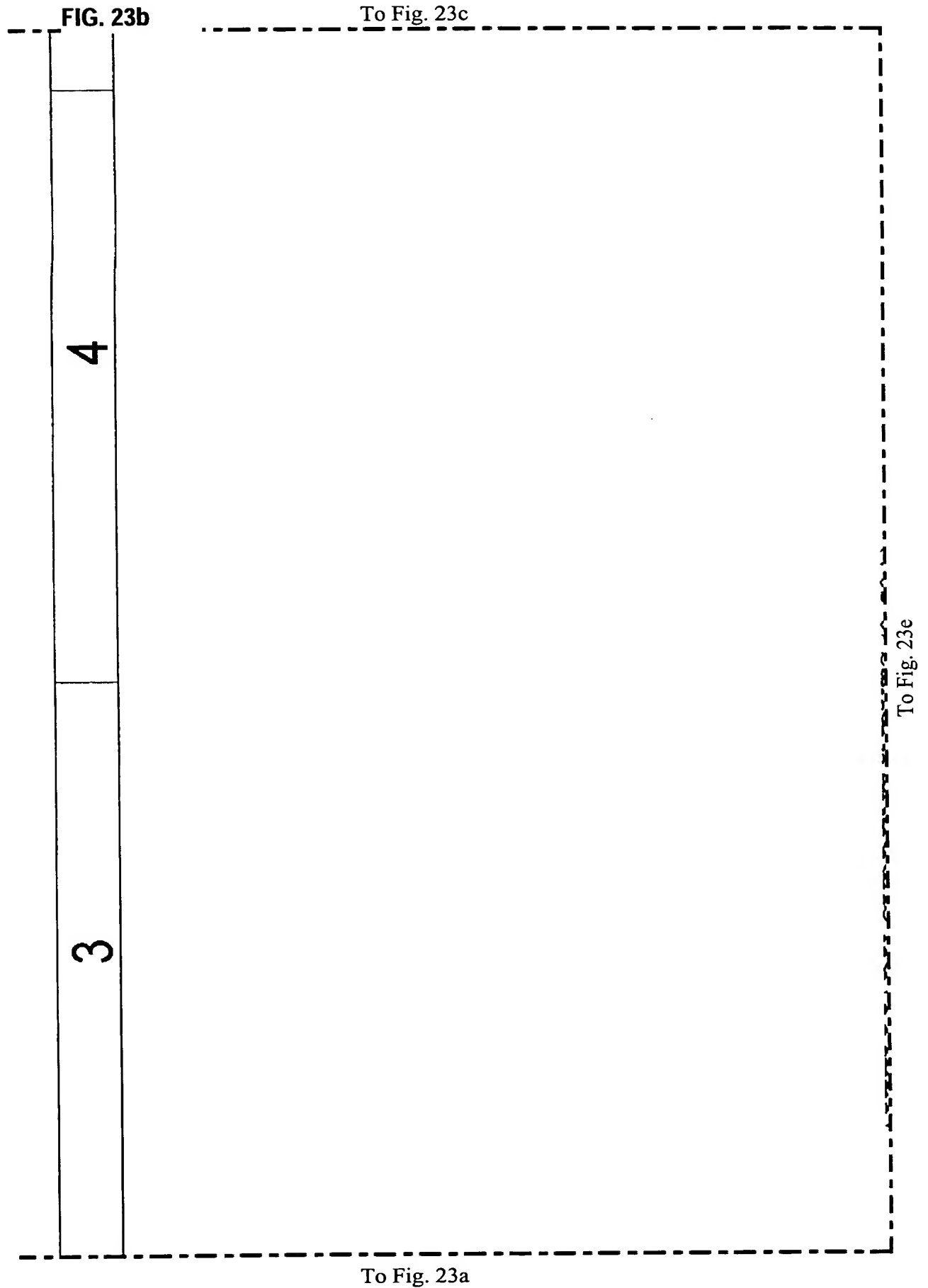
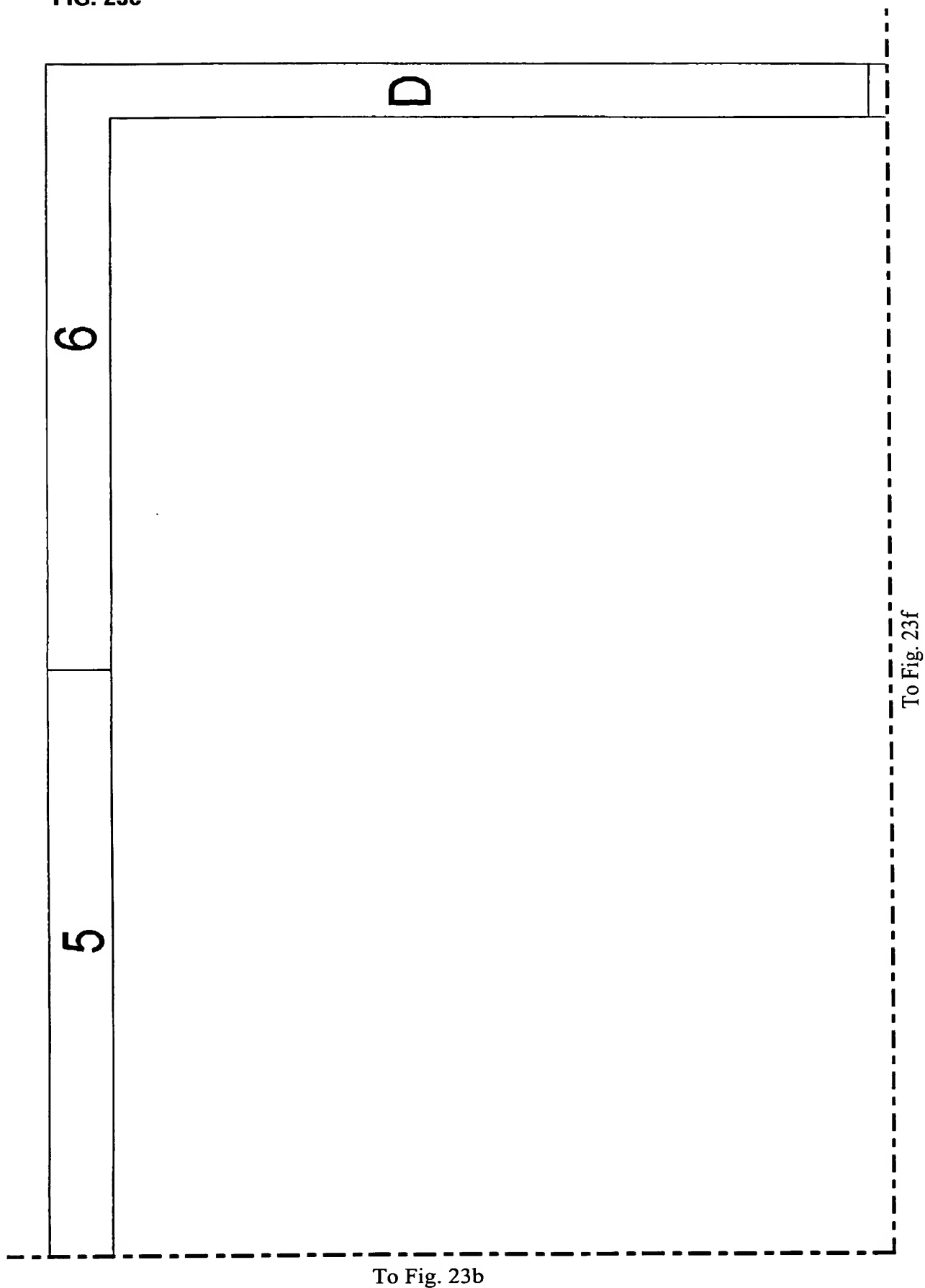
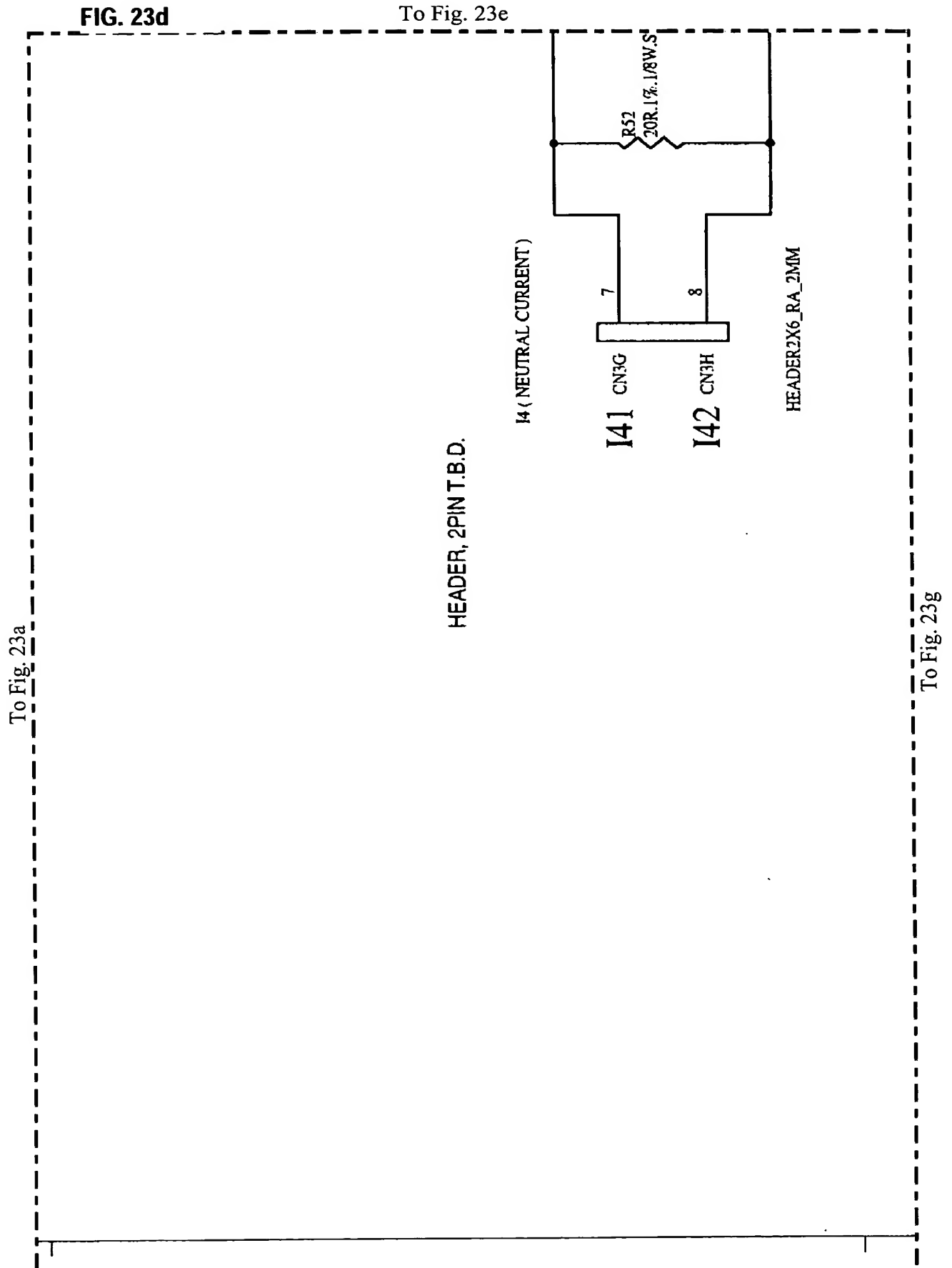


FIG. 23c



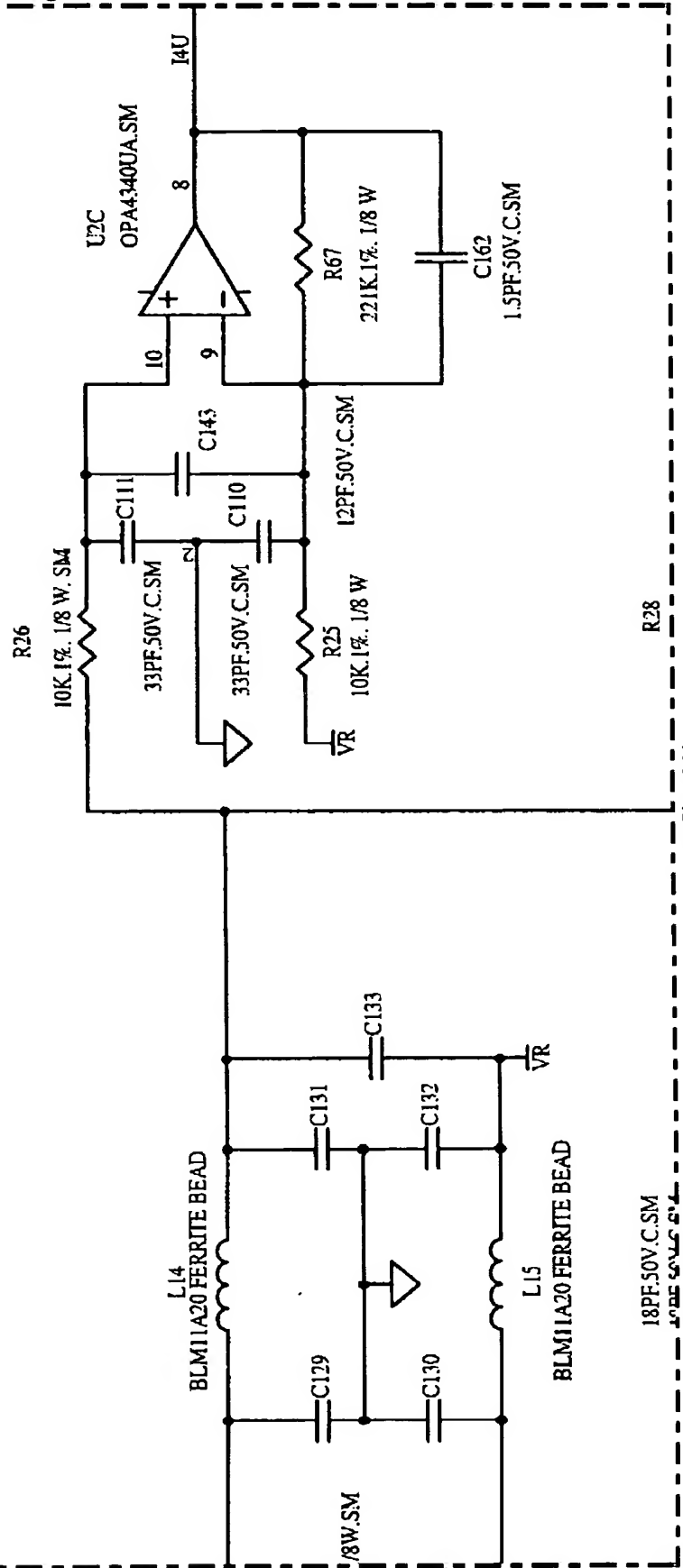


To Fig. 23b

AUXILIARY CURRENT INPUTS (0-50A)

To Fig. 23d

To Fig. 23f



To Fig. 23h

FIG. 23f

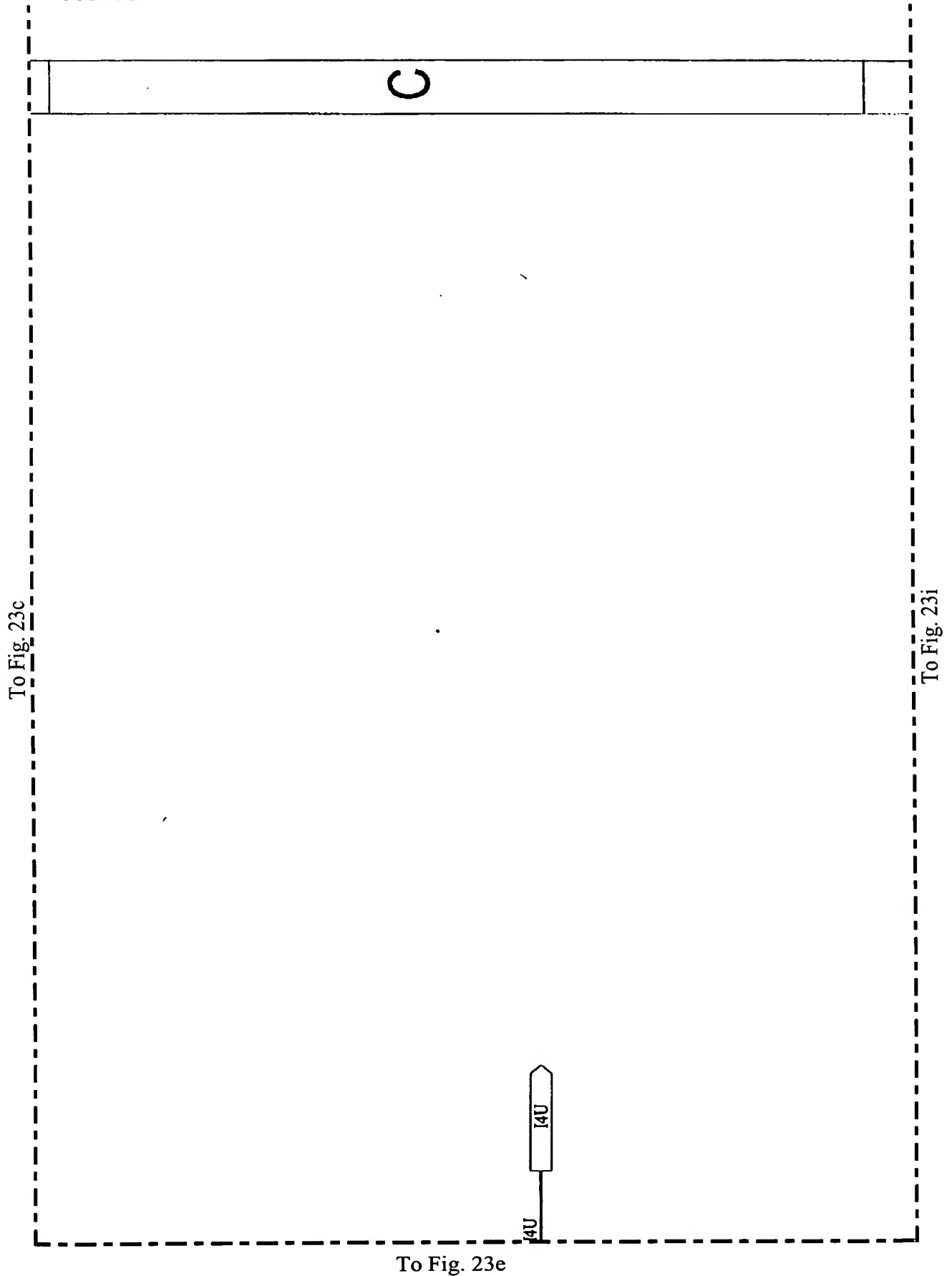


FIG. 23g

To Fig. 23h

To Fig. 23d

To Fig. 23j

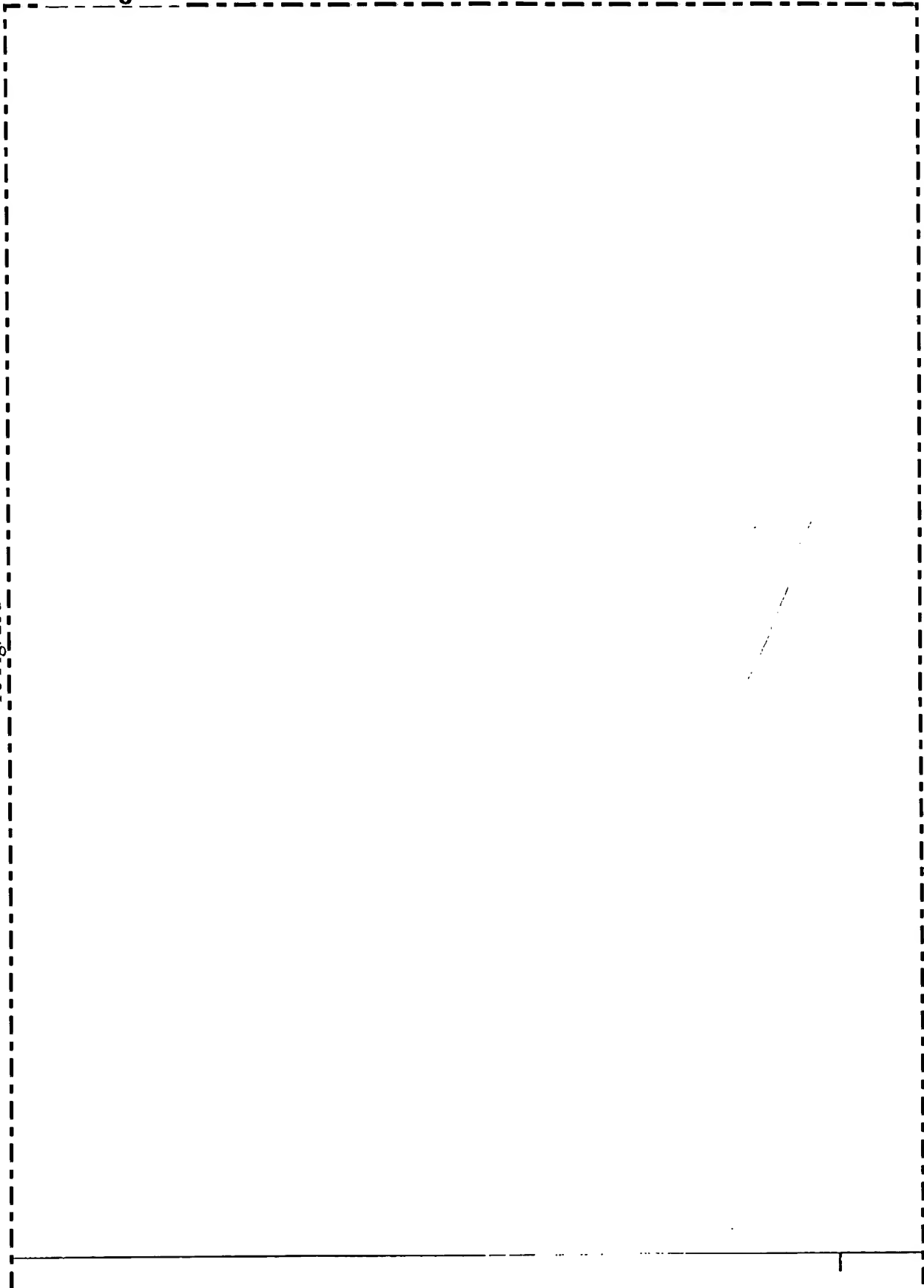
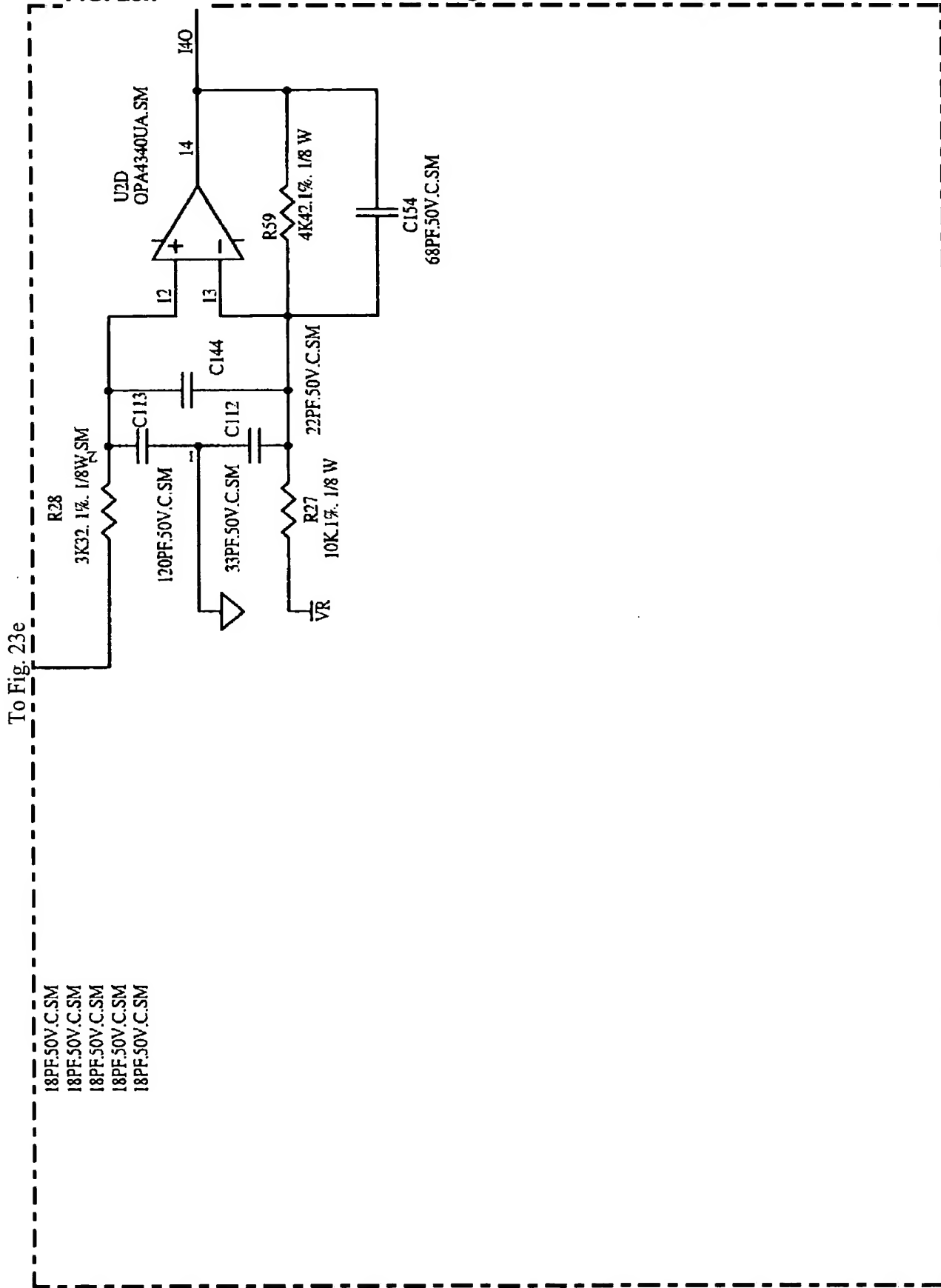


FIG. 23h

To Fig. 23i



To Fig. 23e

To Fig. 23k

To Fig. 23g

FIG. 23i

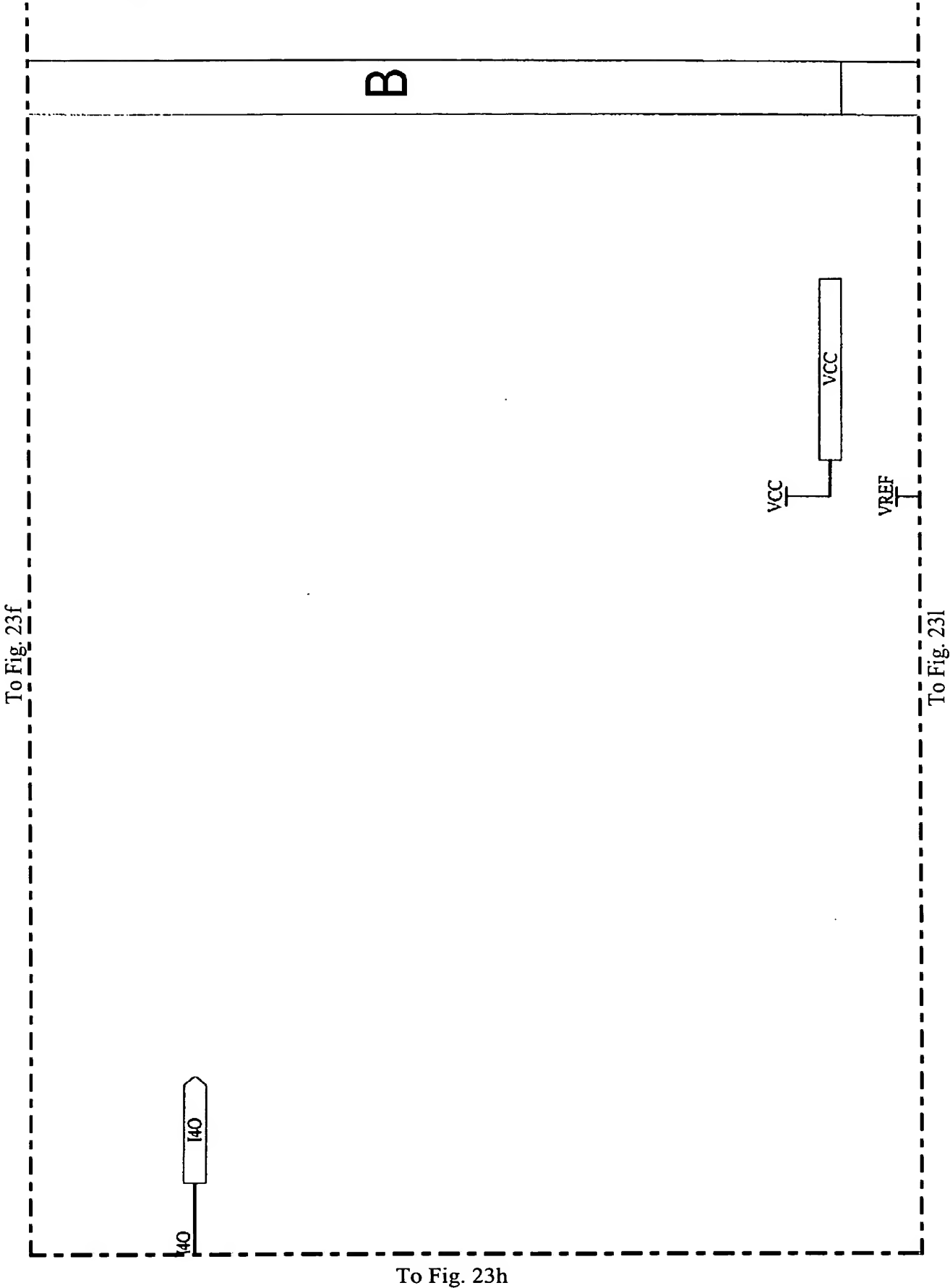


FIG. 23j

To Fig. 23k

To Fig. 23g

2

1

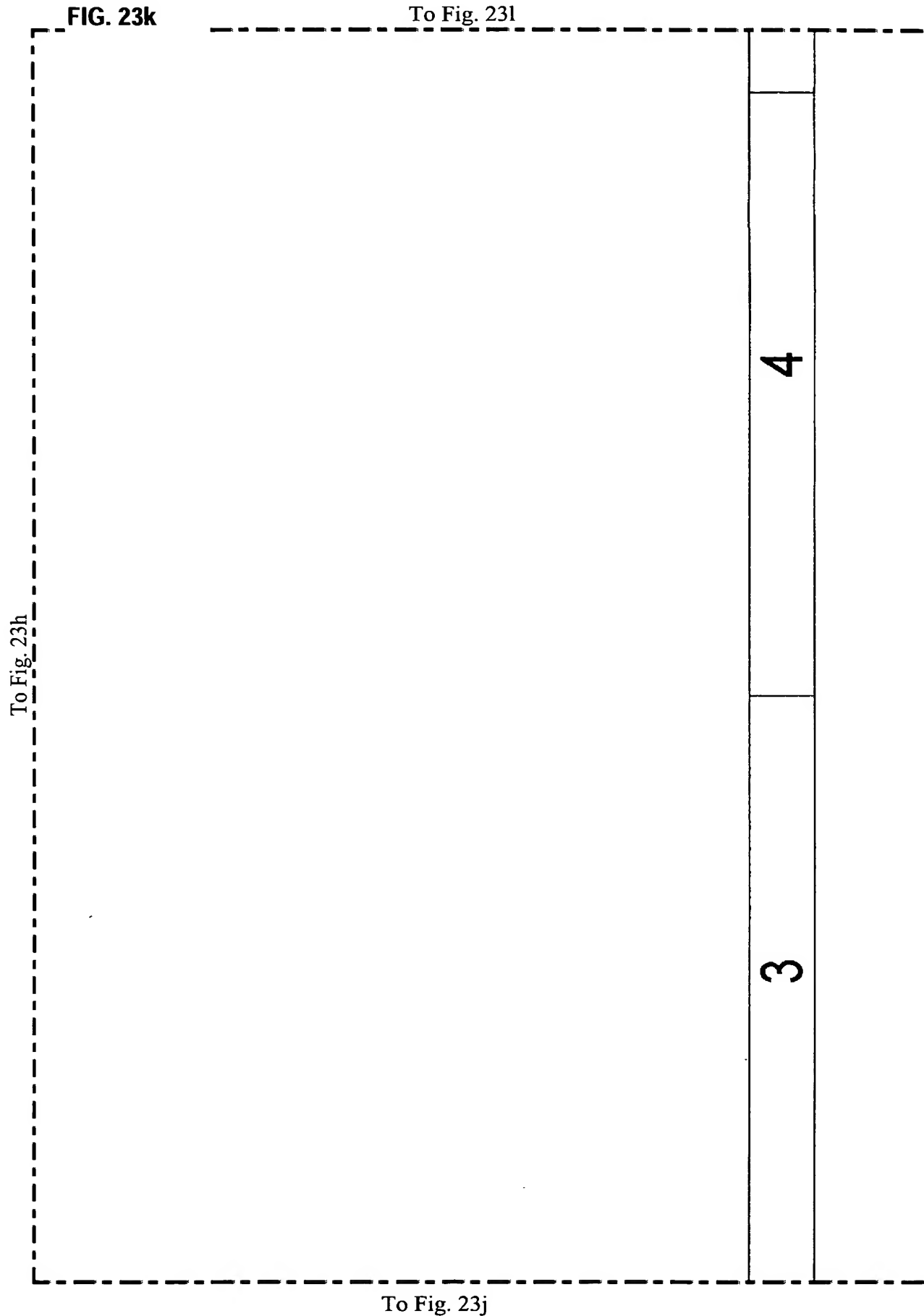


FIG. 23l

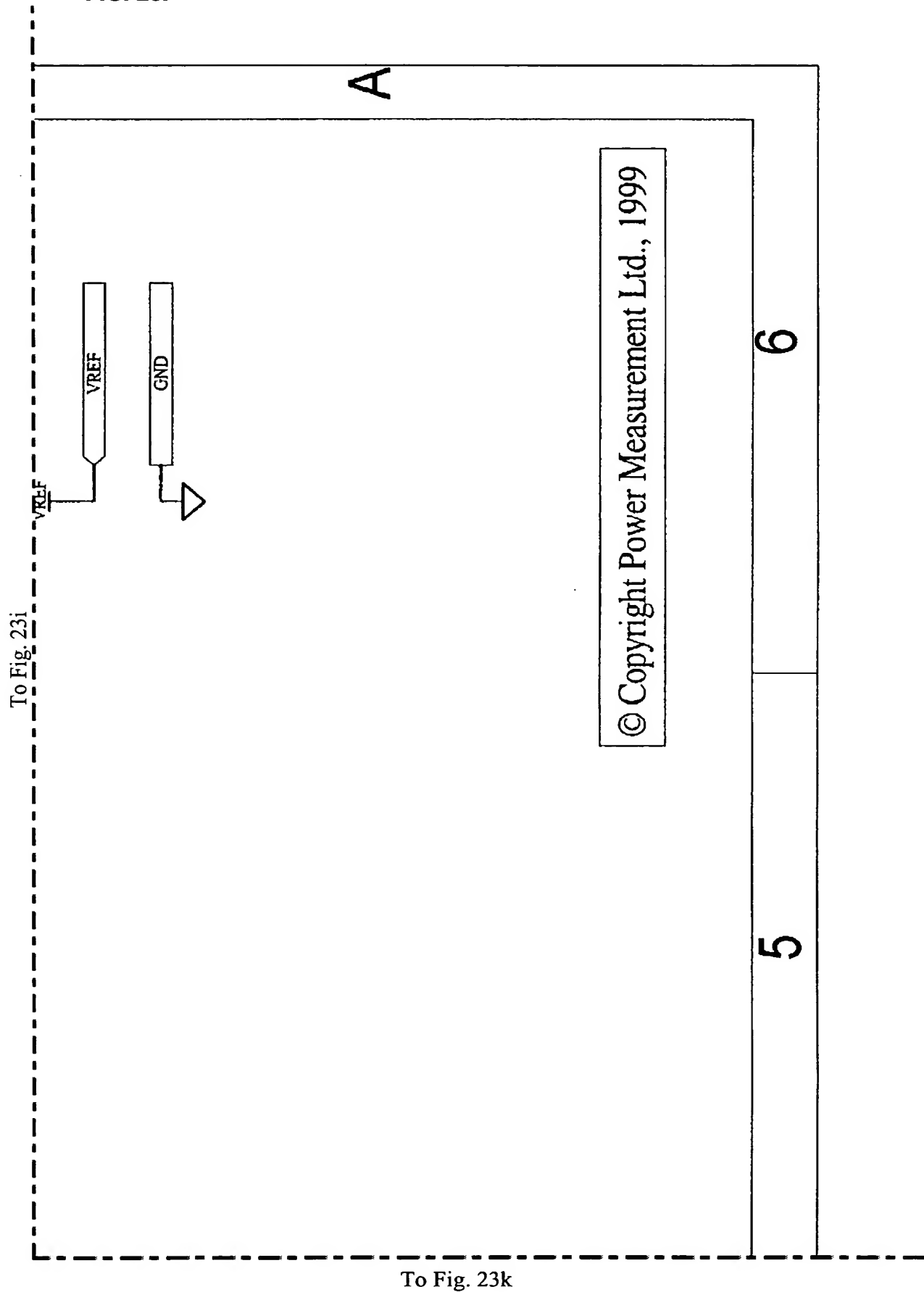
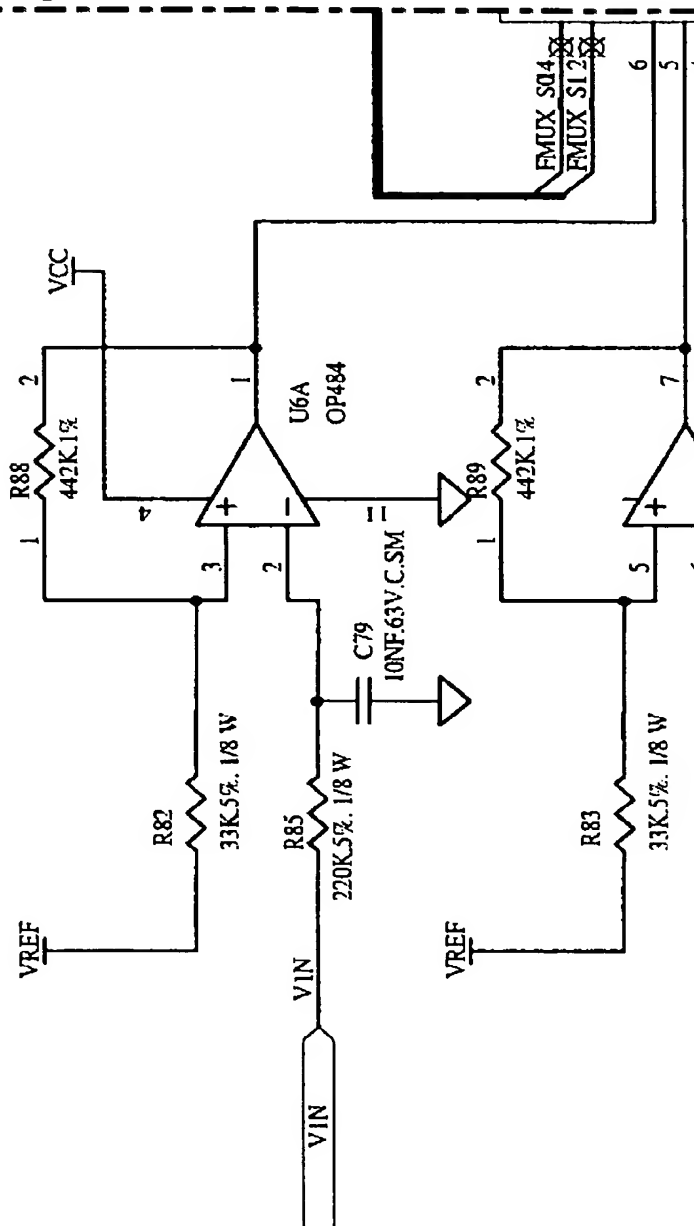


FIG. 24a

To Fig. 24b

2

LINE FREQUENCY DETECTOR



To Fig. 24d

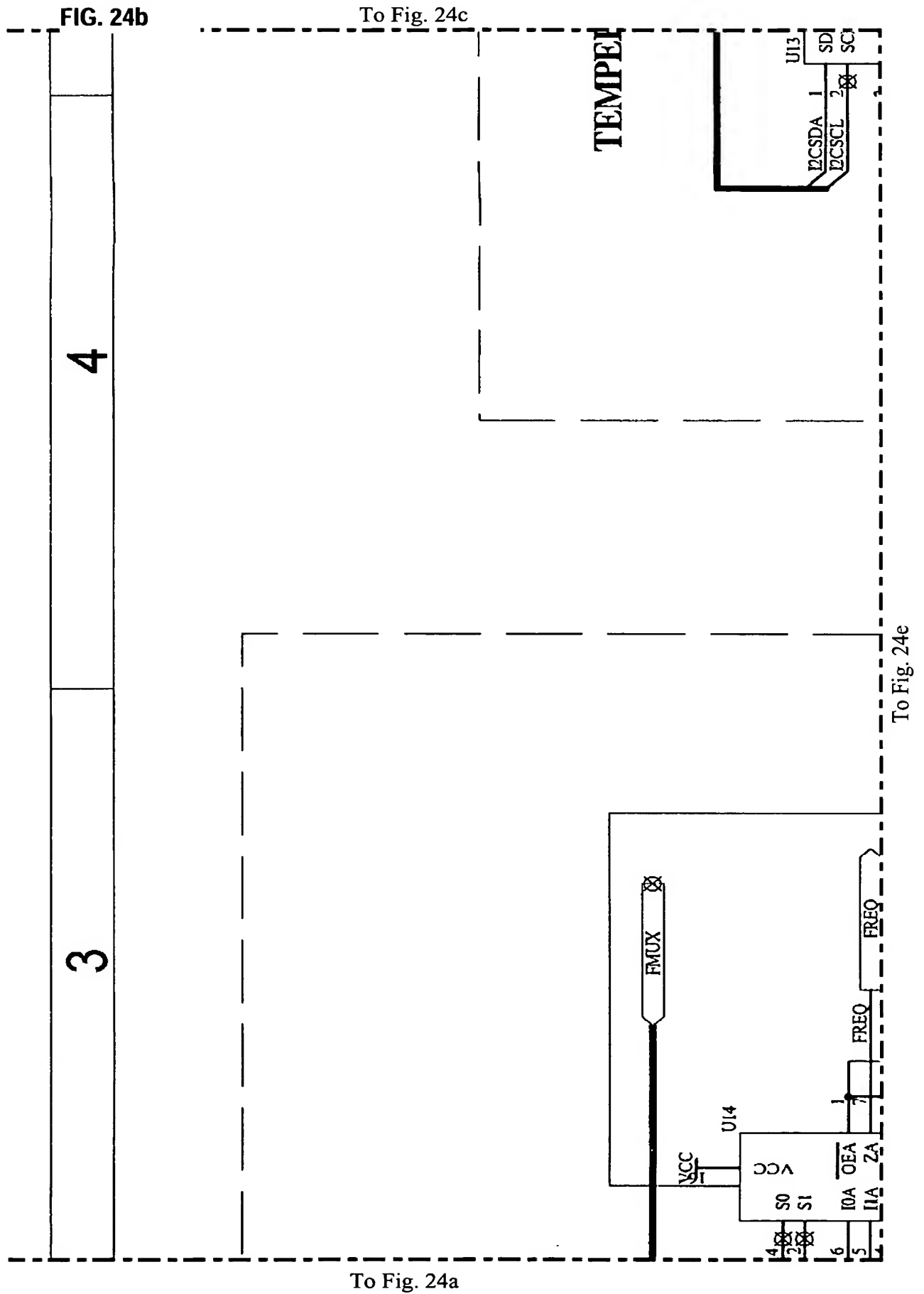
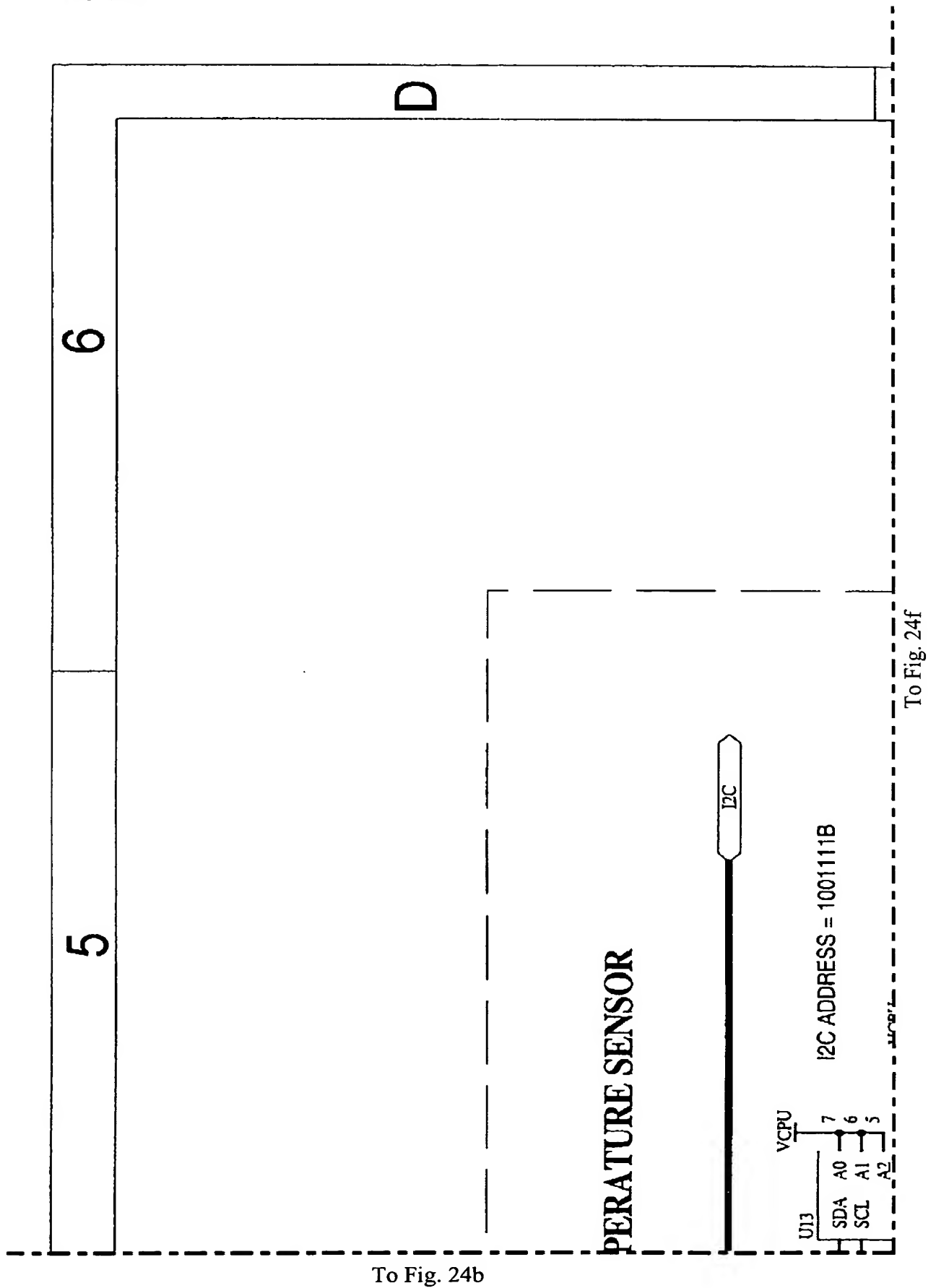
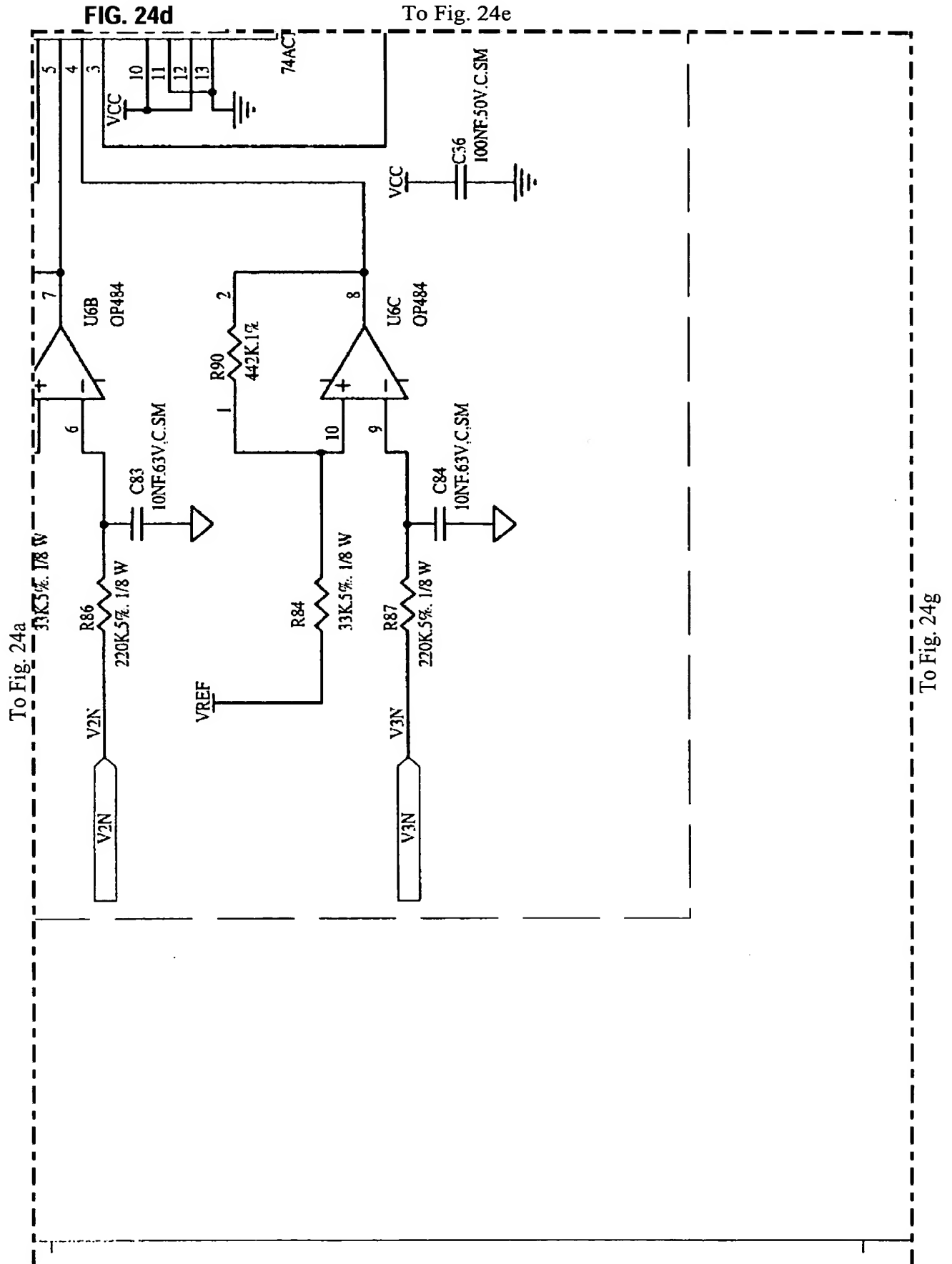


FIG. 24c





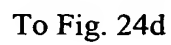
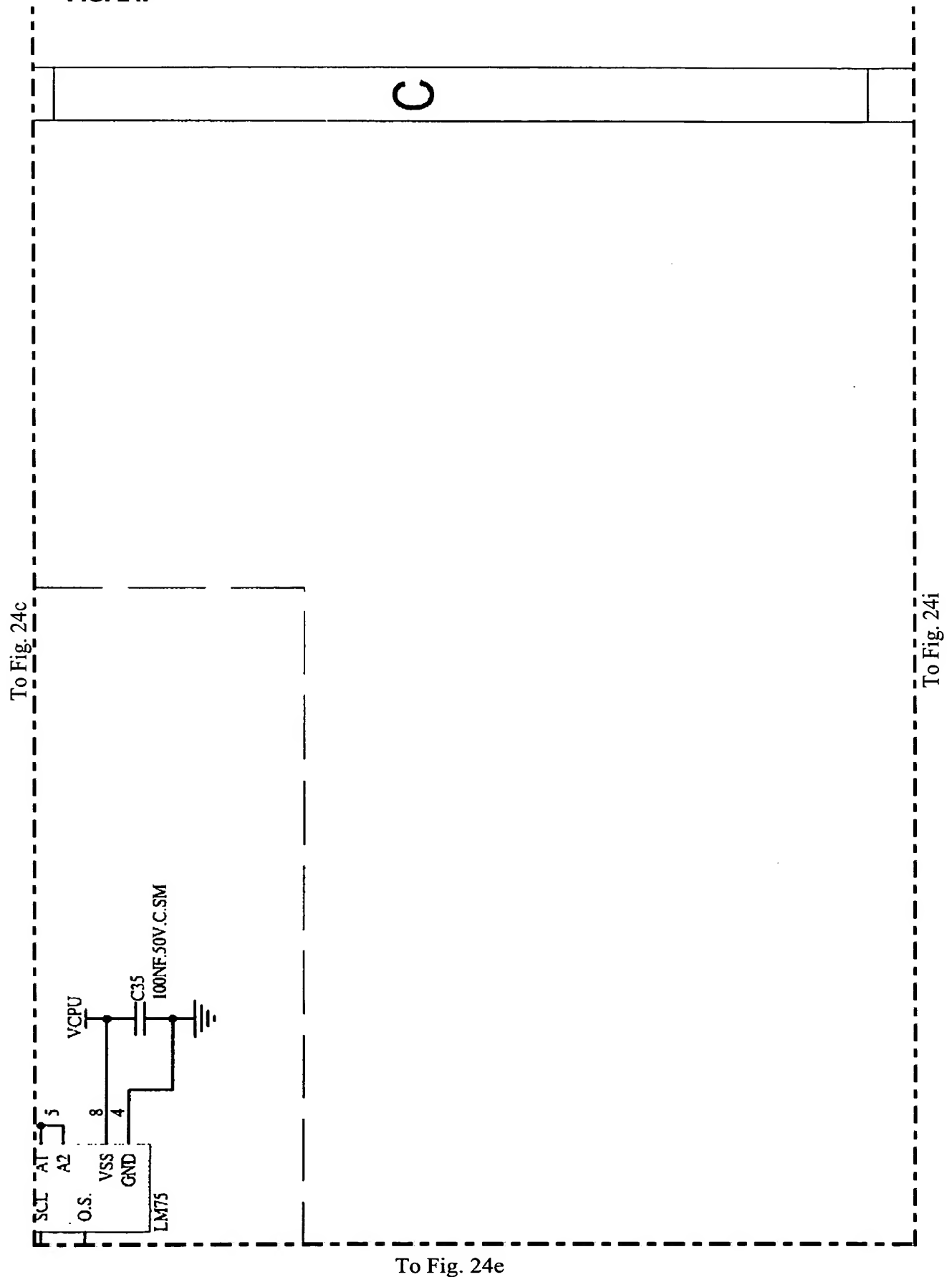
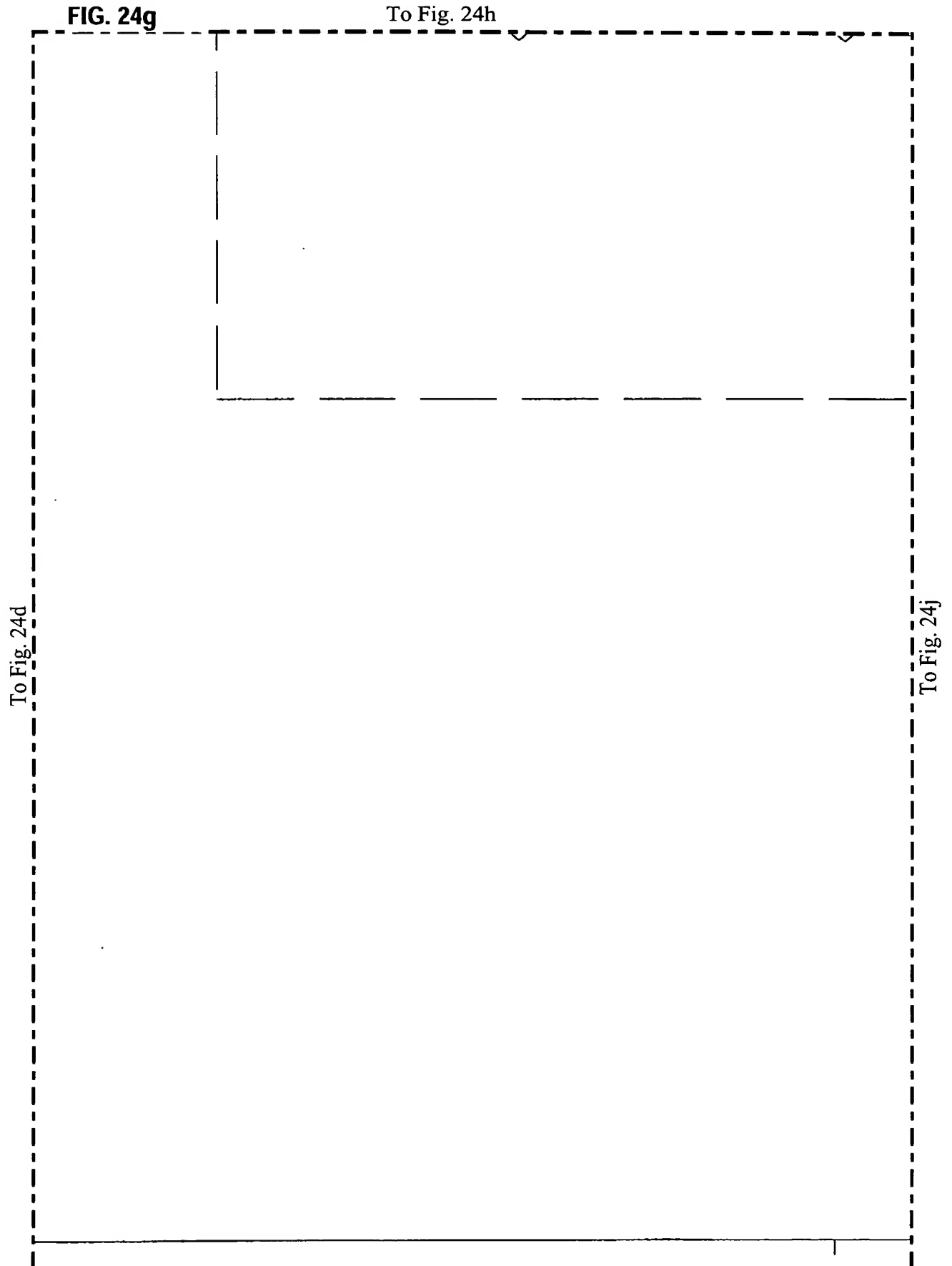


FIG. 24f



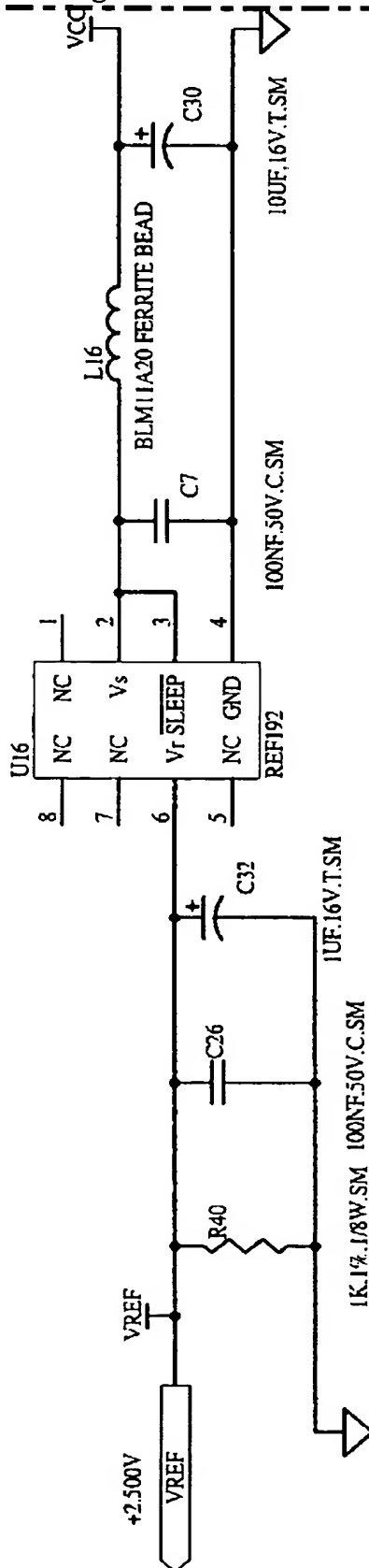


To Fig. 24e

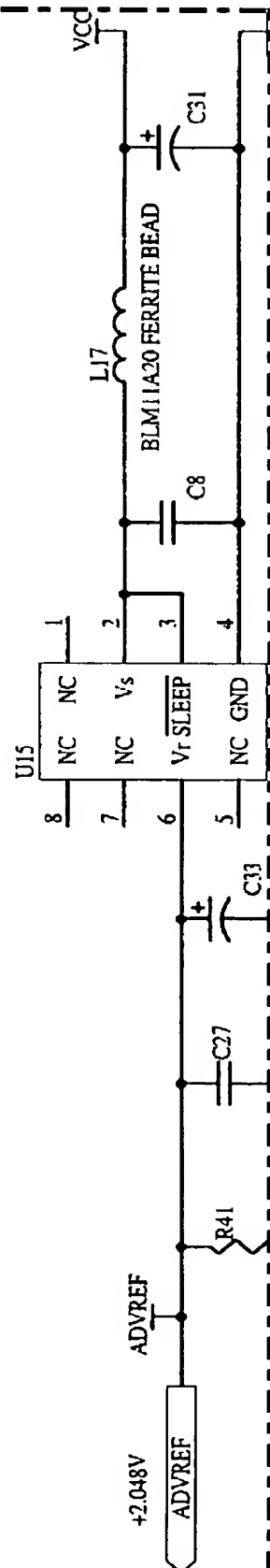
FIG. 24h

REFERENCE VOLTAGE

To Fig. 24i



To Fig. 24g



To Fig. 24k

FIG. 24i

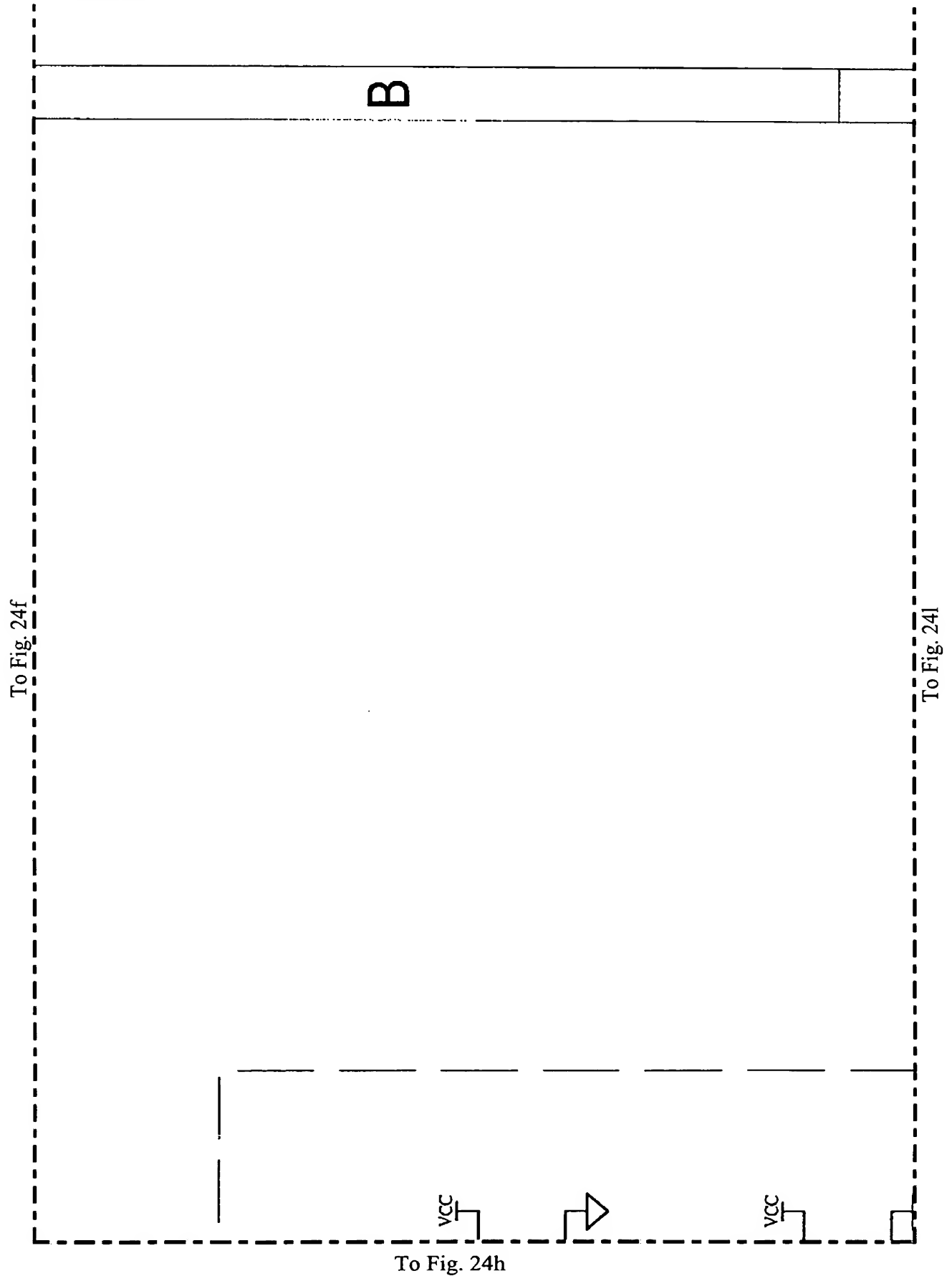
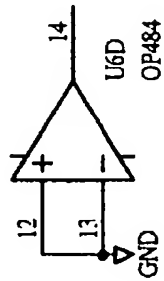


FIG. 24j

To Fig. 24k

To Fig. 24g

UNUSED OP-AMP



2

1

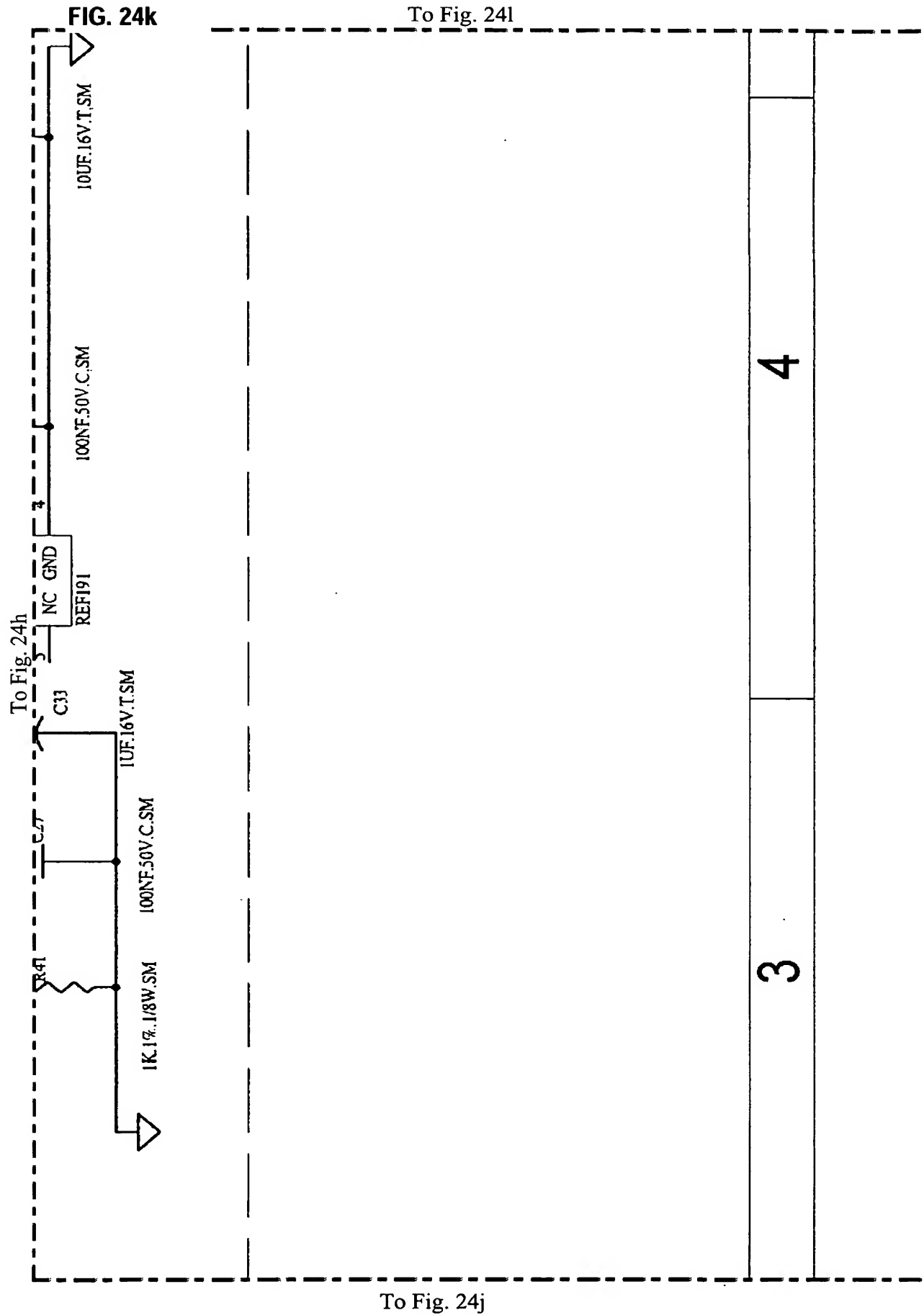


FIG. 24i

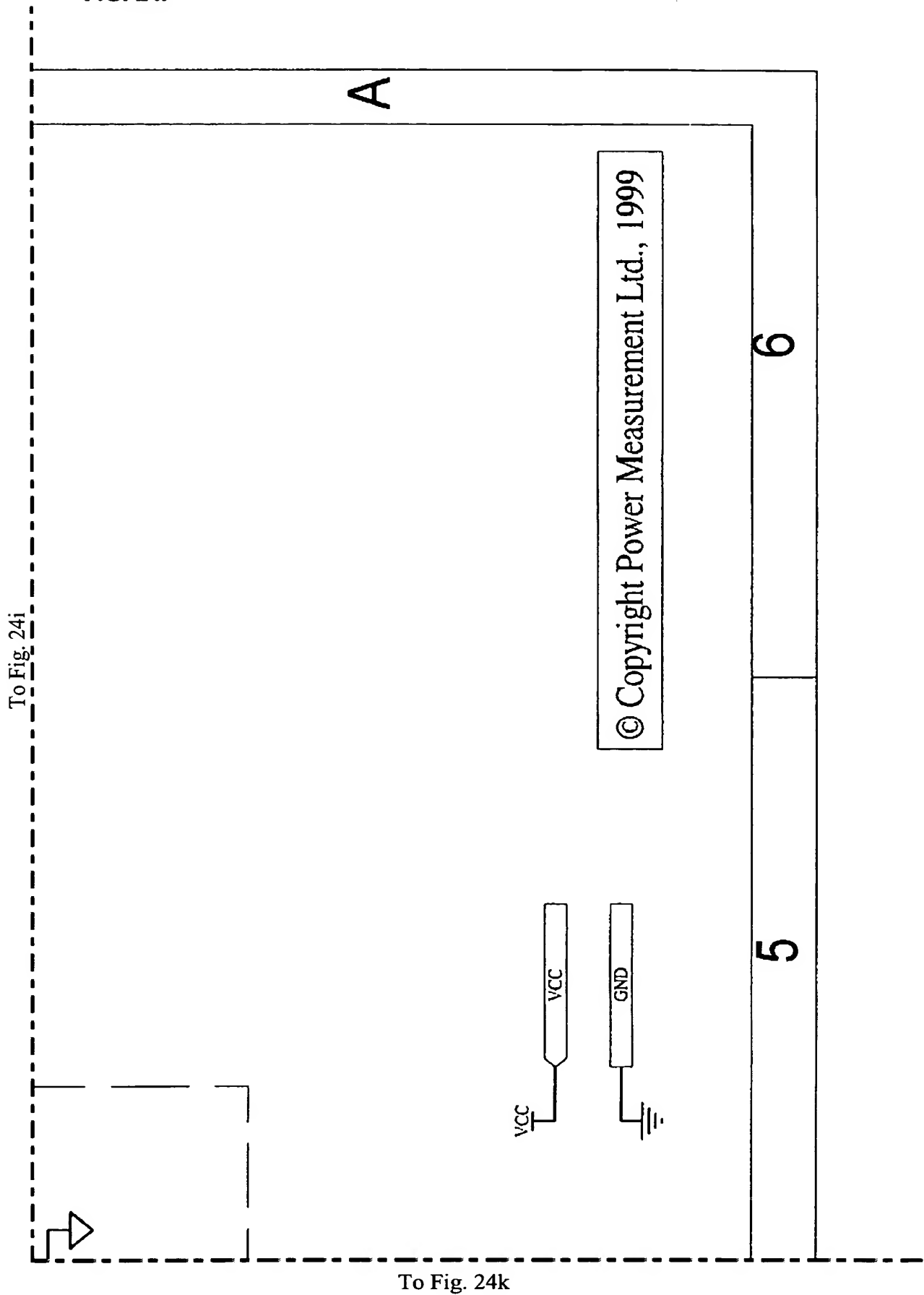
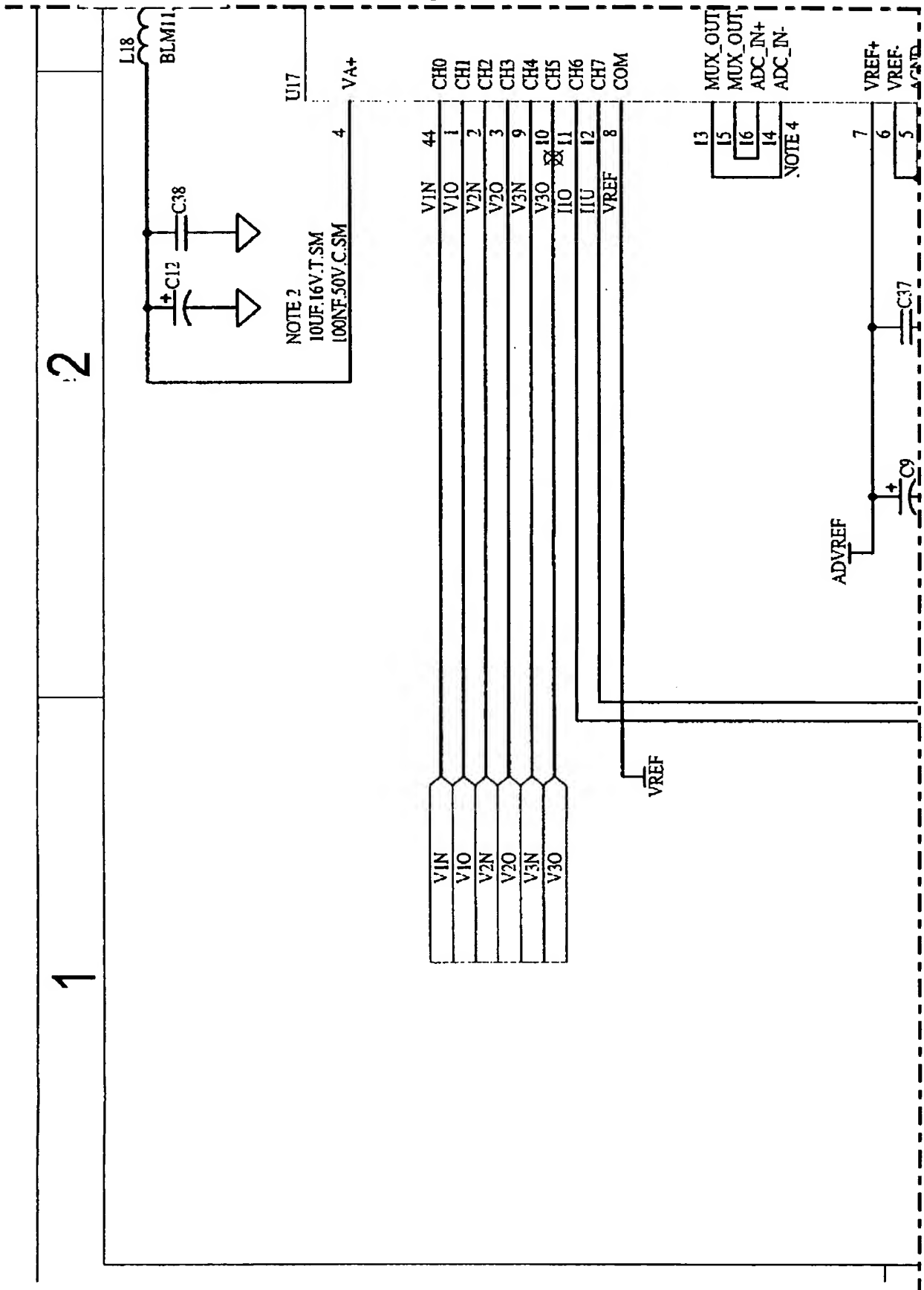


FIG. 25a

To Fig. 25b



To Fig. 25d

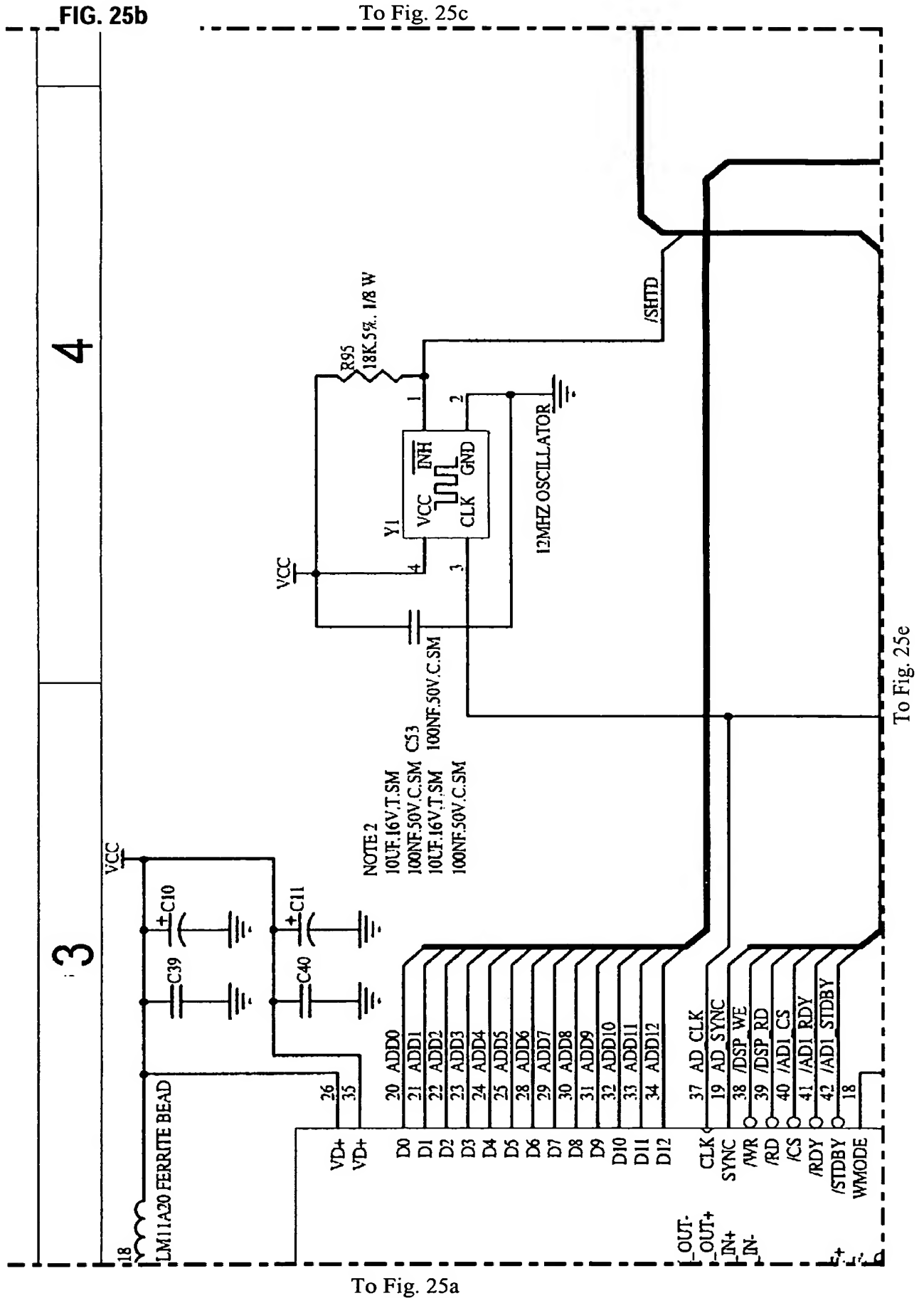
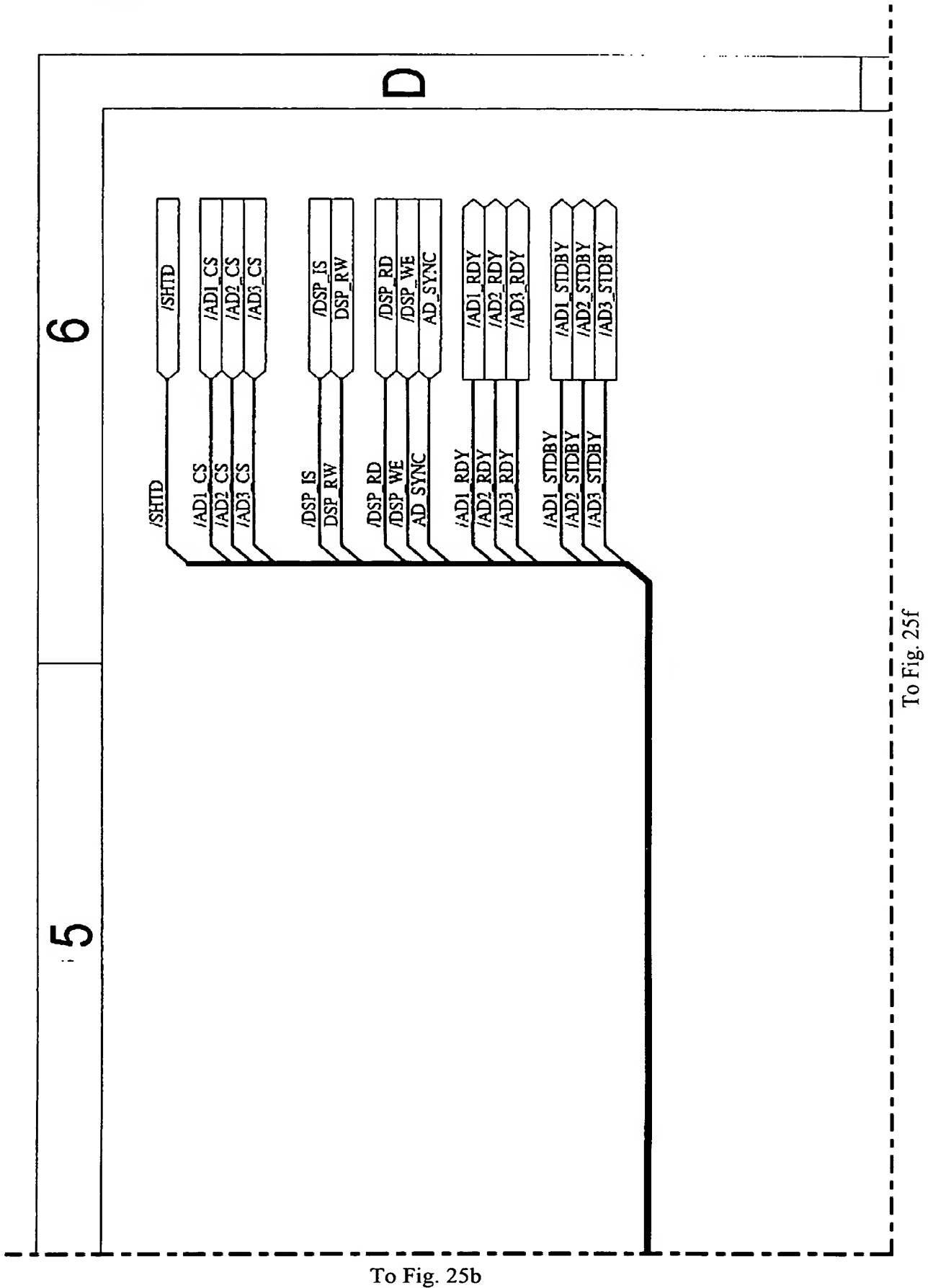
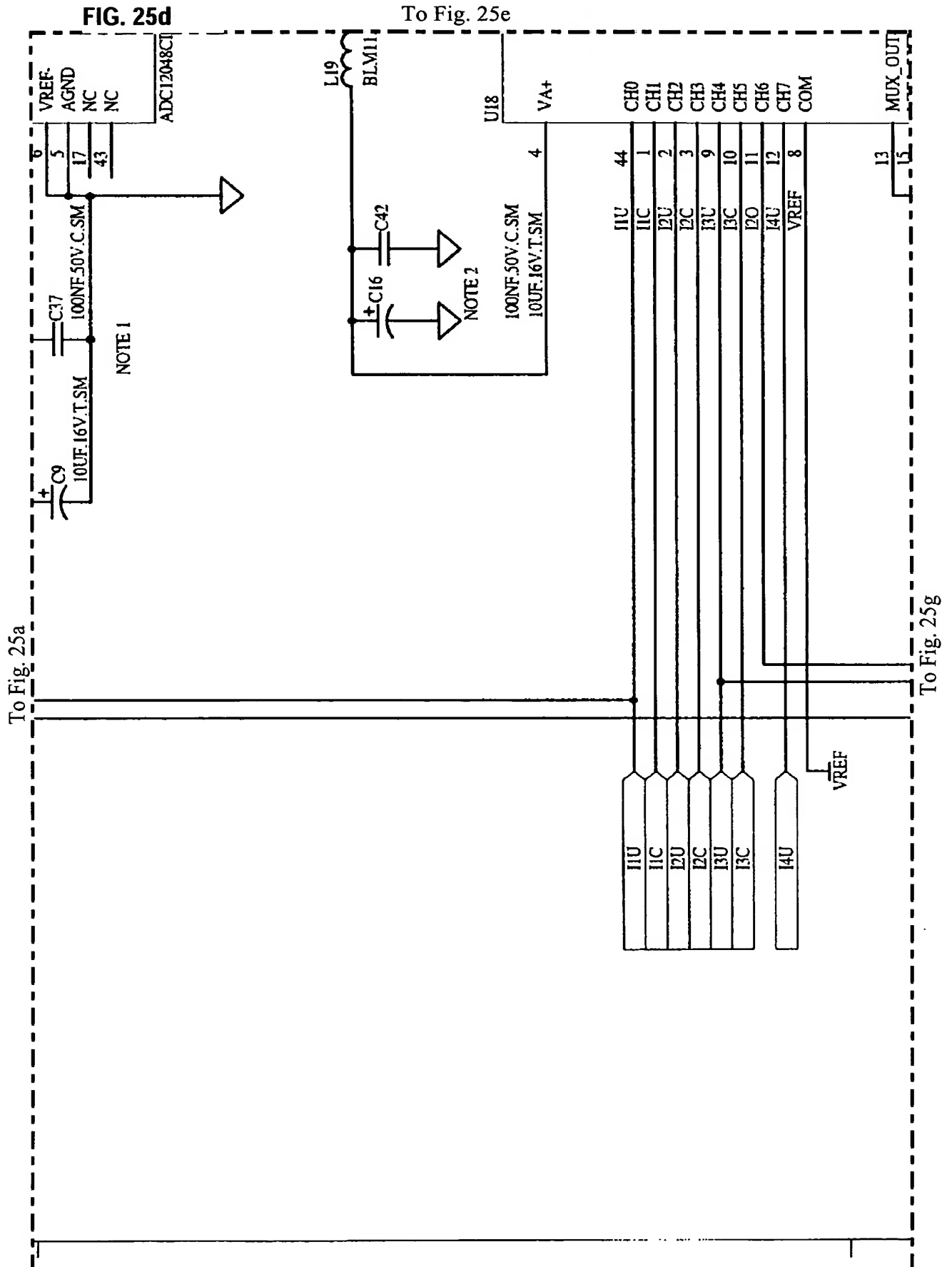
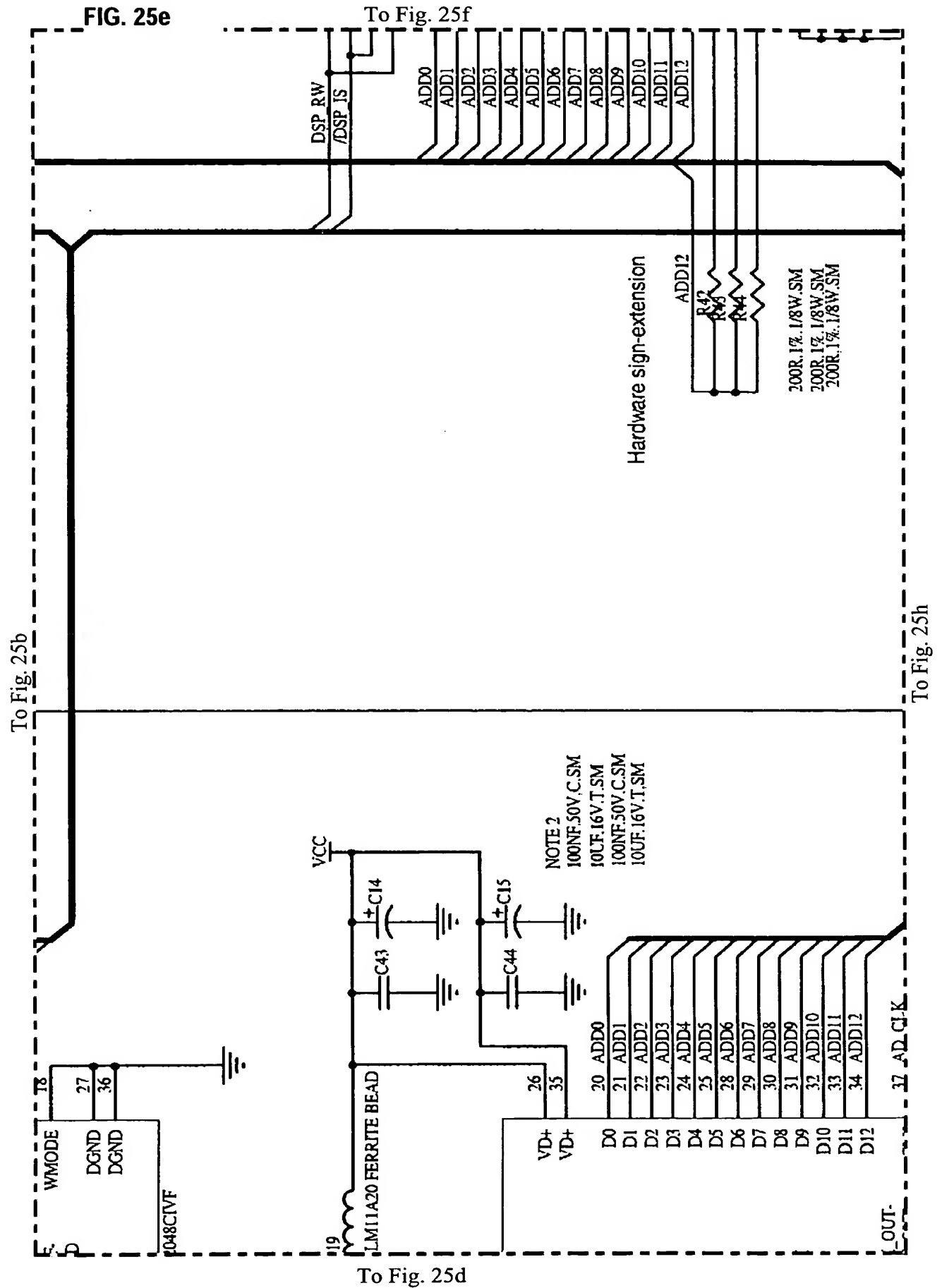


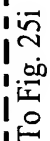
FIG. 25c





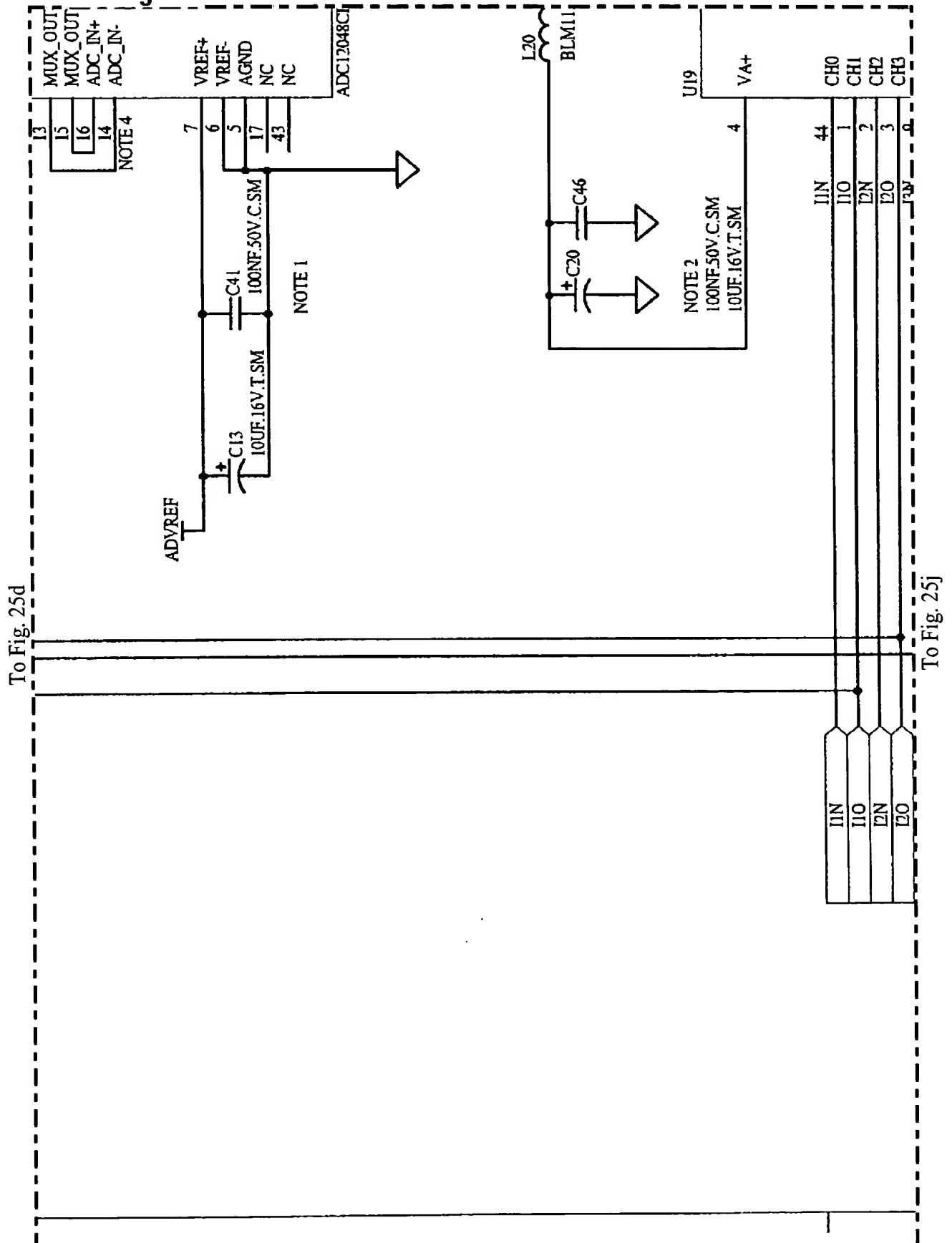


To Fig. 25c



To Fig. 25e

To Fig. 25h



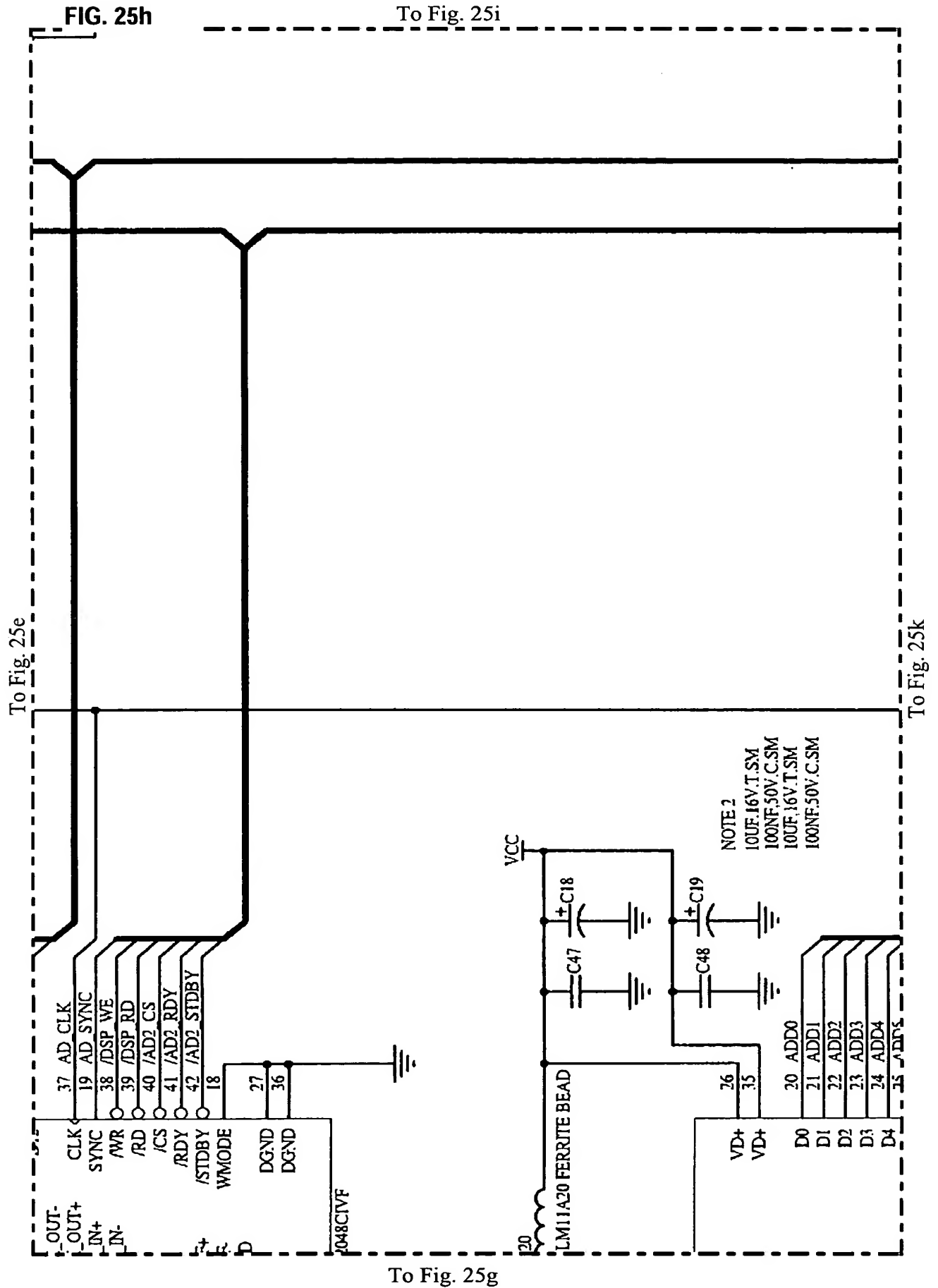
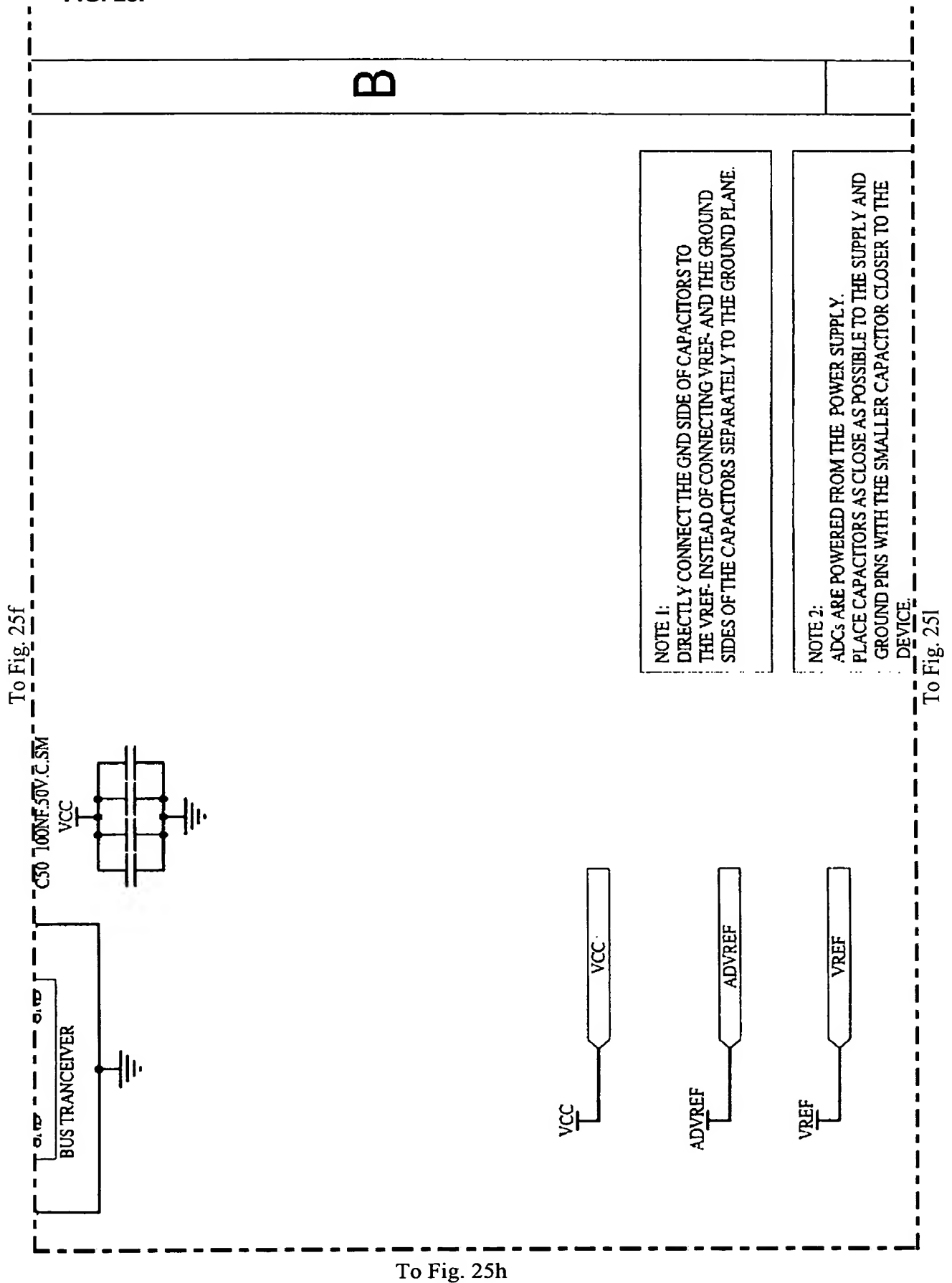
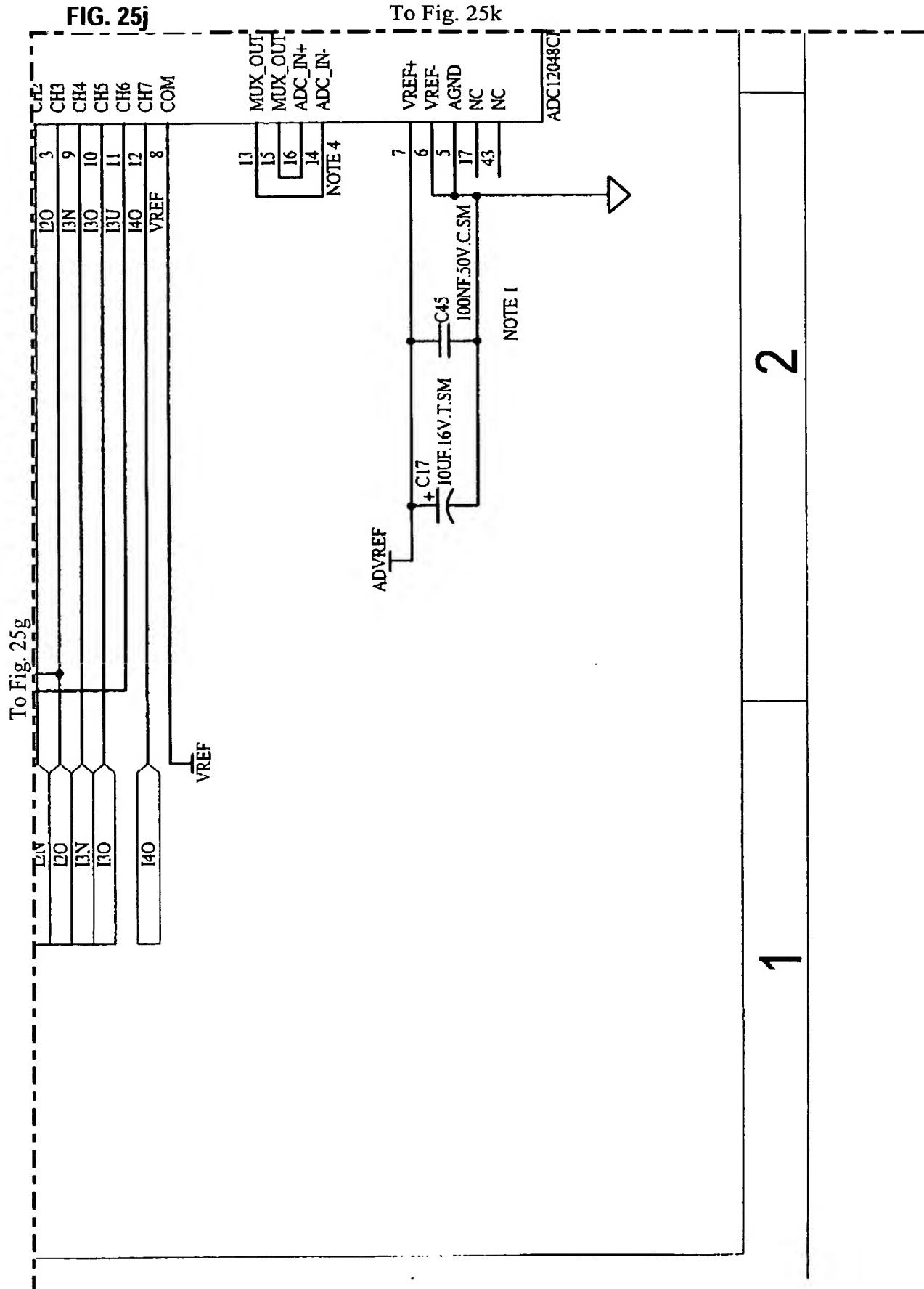


FIG. 25i





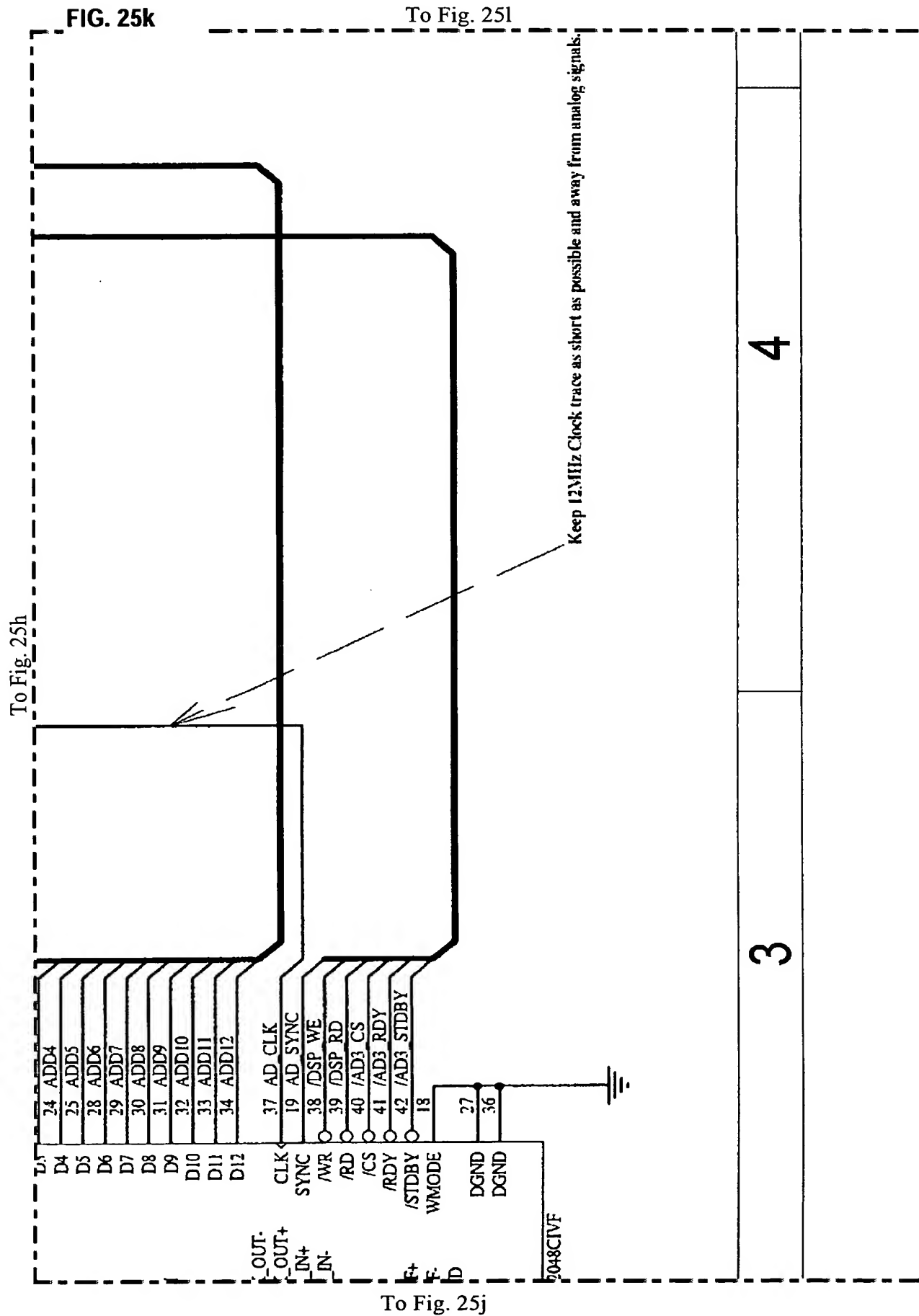


FIG. 25I

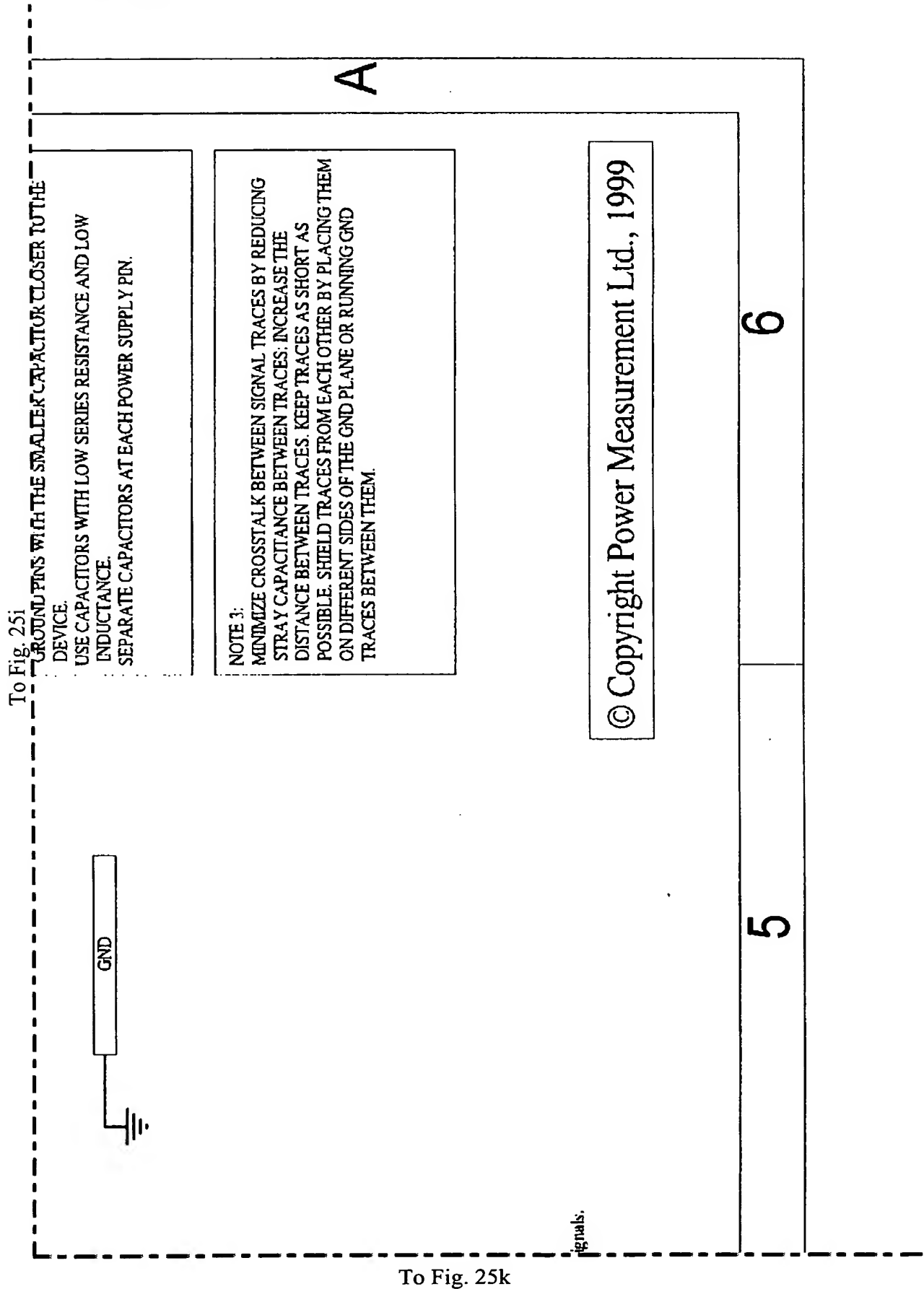
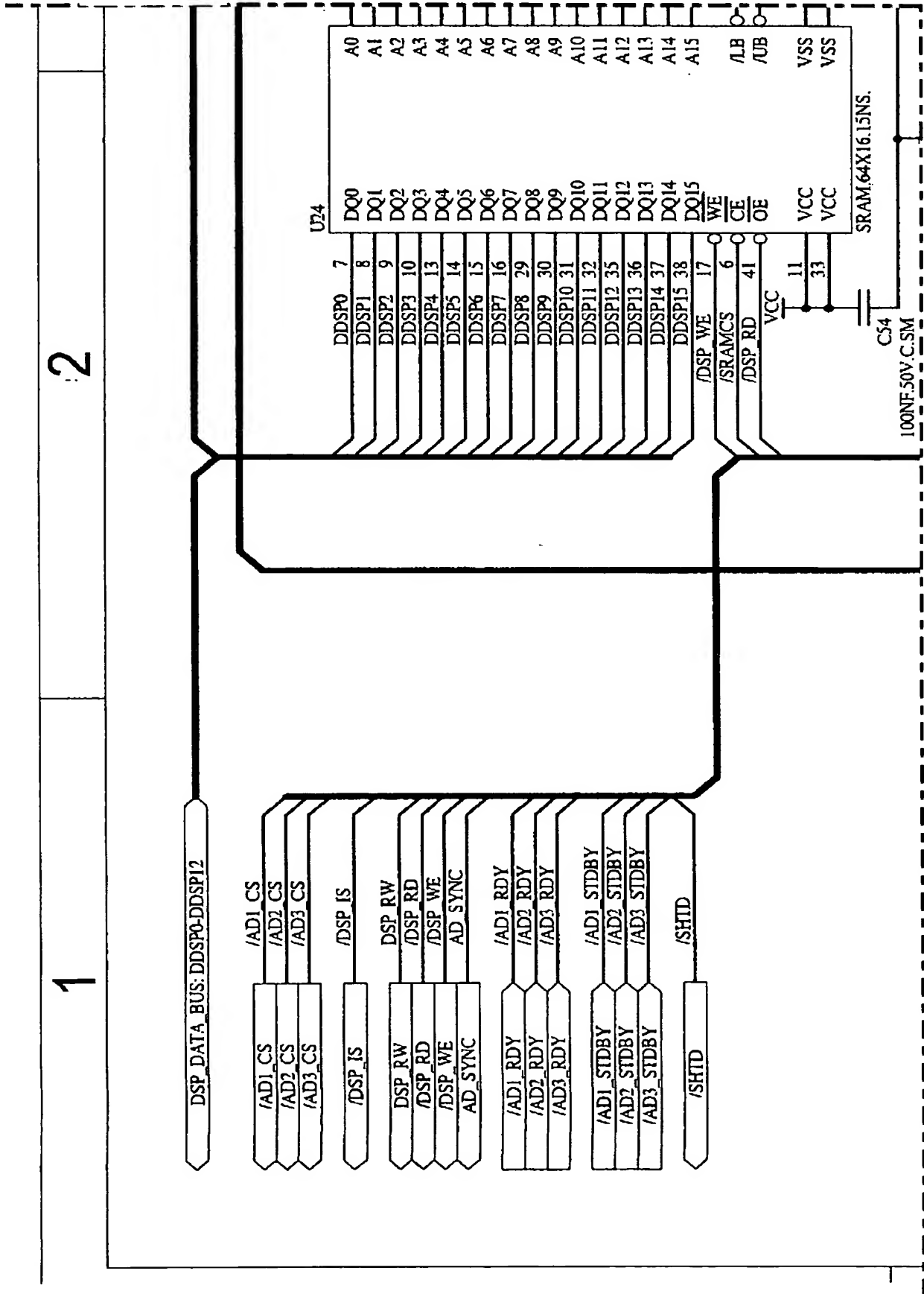


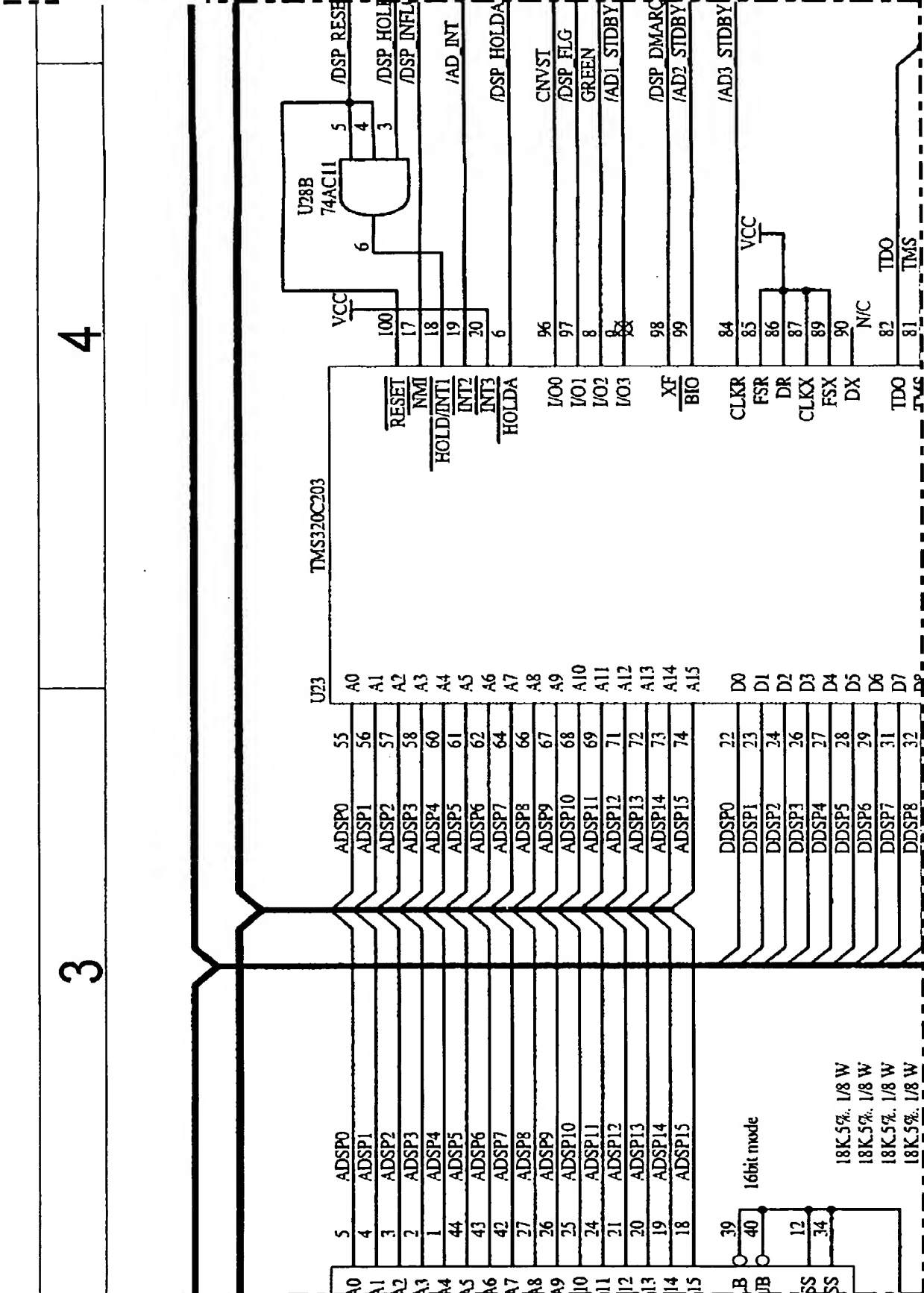
FIG. 26a



2

1

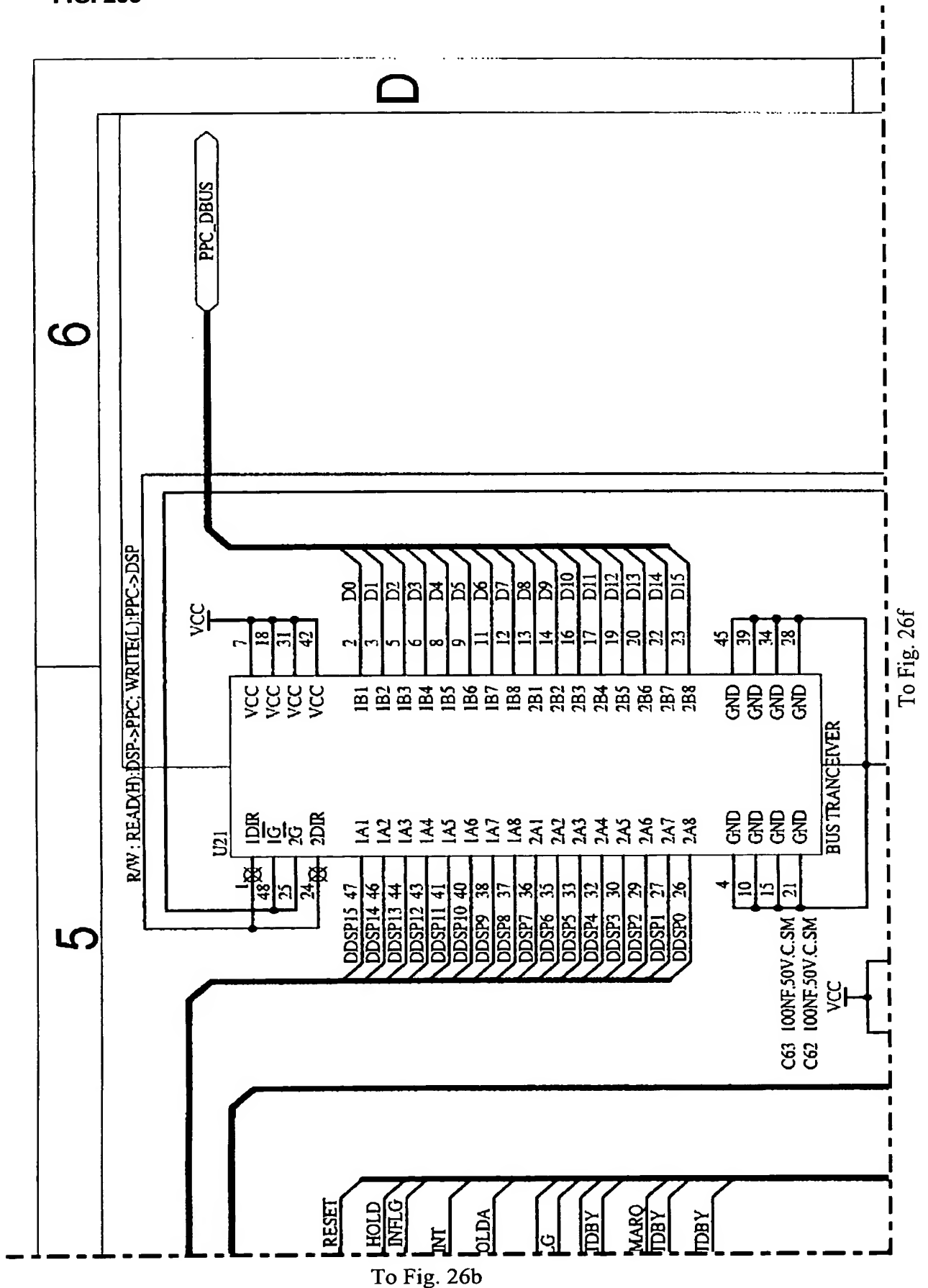
FIG. 26b

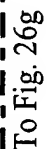


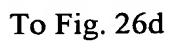
To Fig. 26a

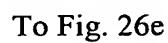
To Fig. 26e

FIG. 26c





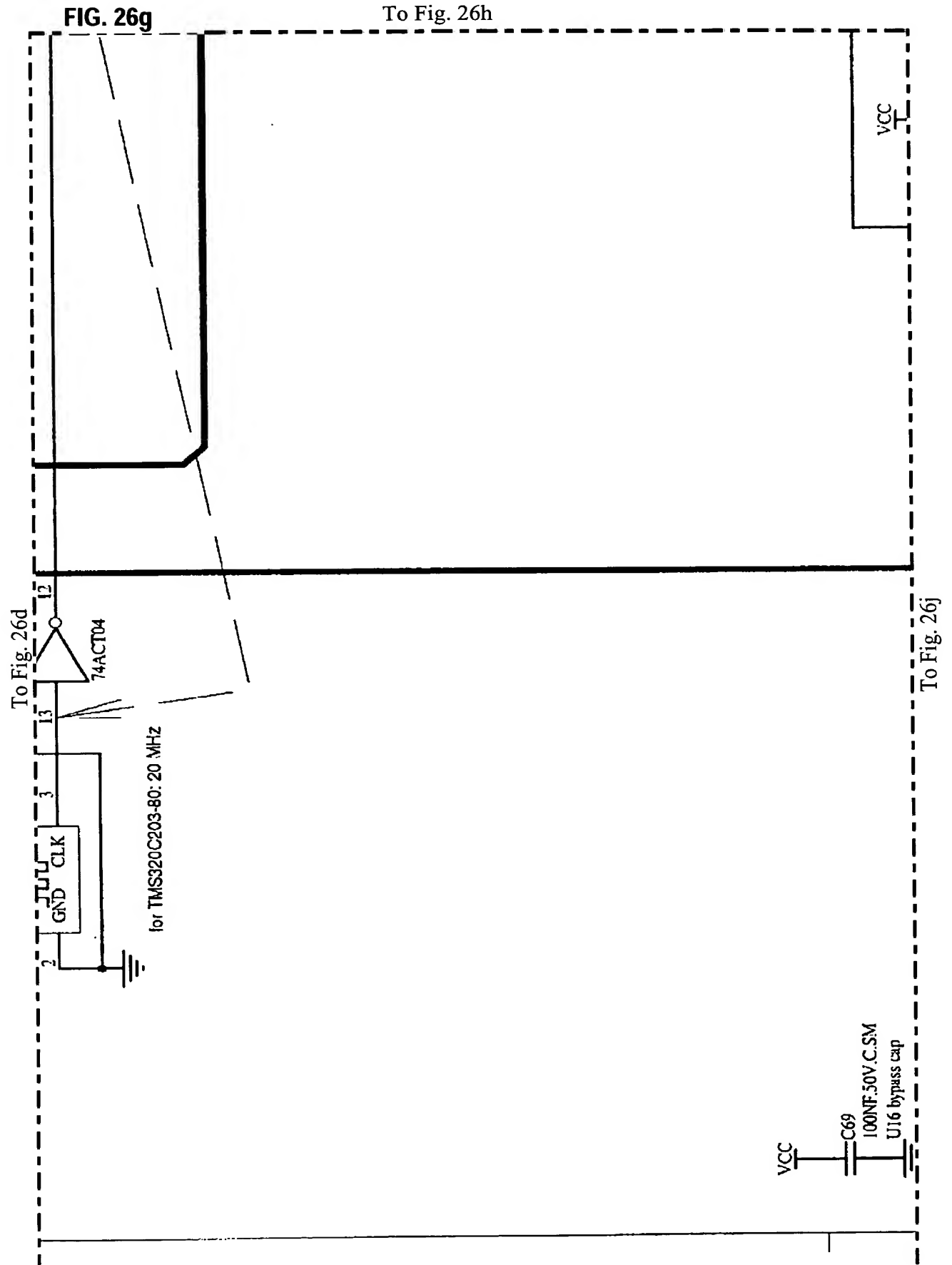




Inventor(s): David W. Giles et al
Attorney Docket No.: OUR CASE NO. 6270/125

Inventor(s): David W. Giles et al

Attorney Docket No.: OUR CASE NO. 6270/125



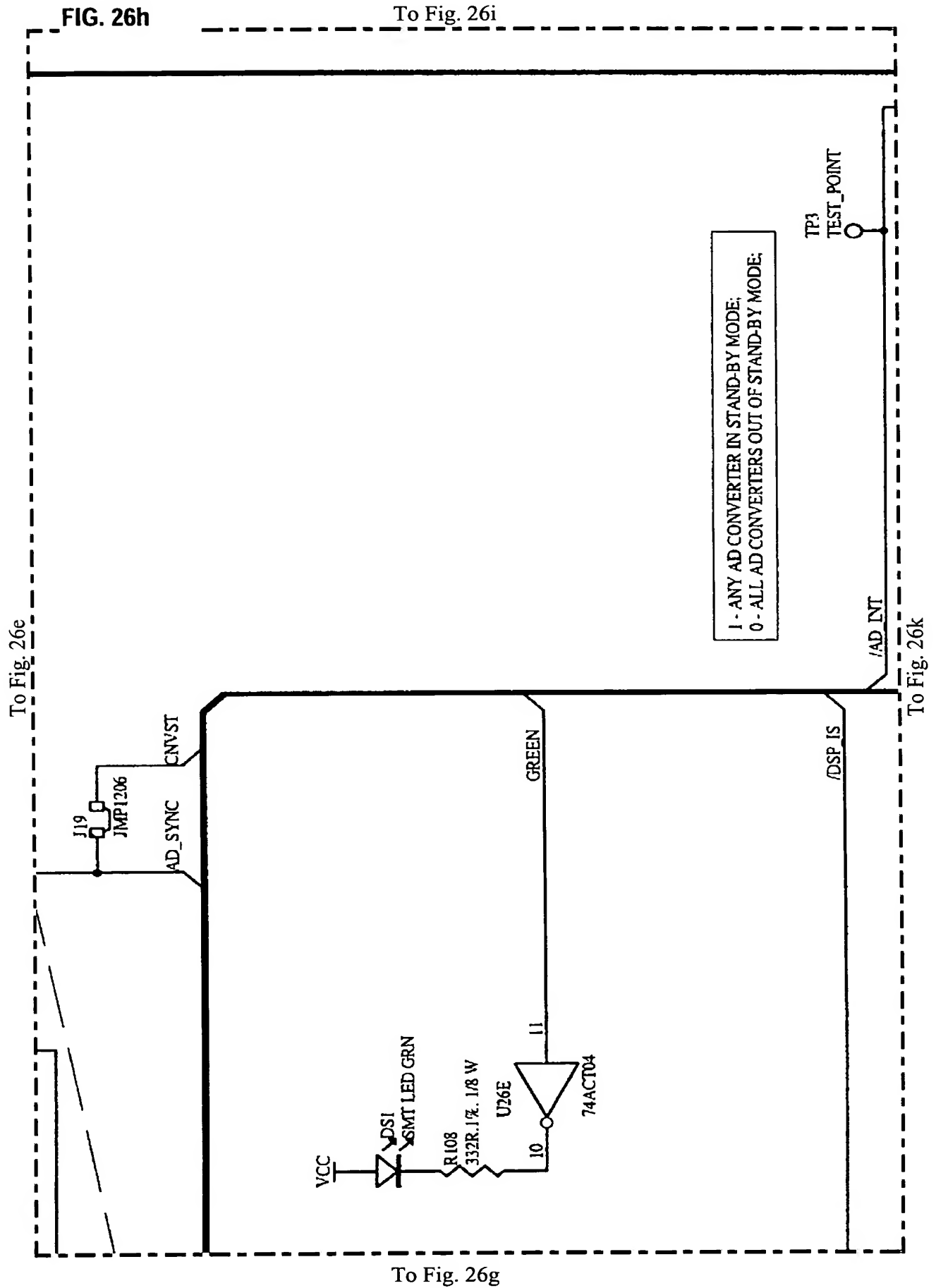
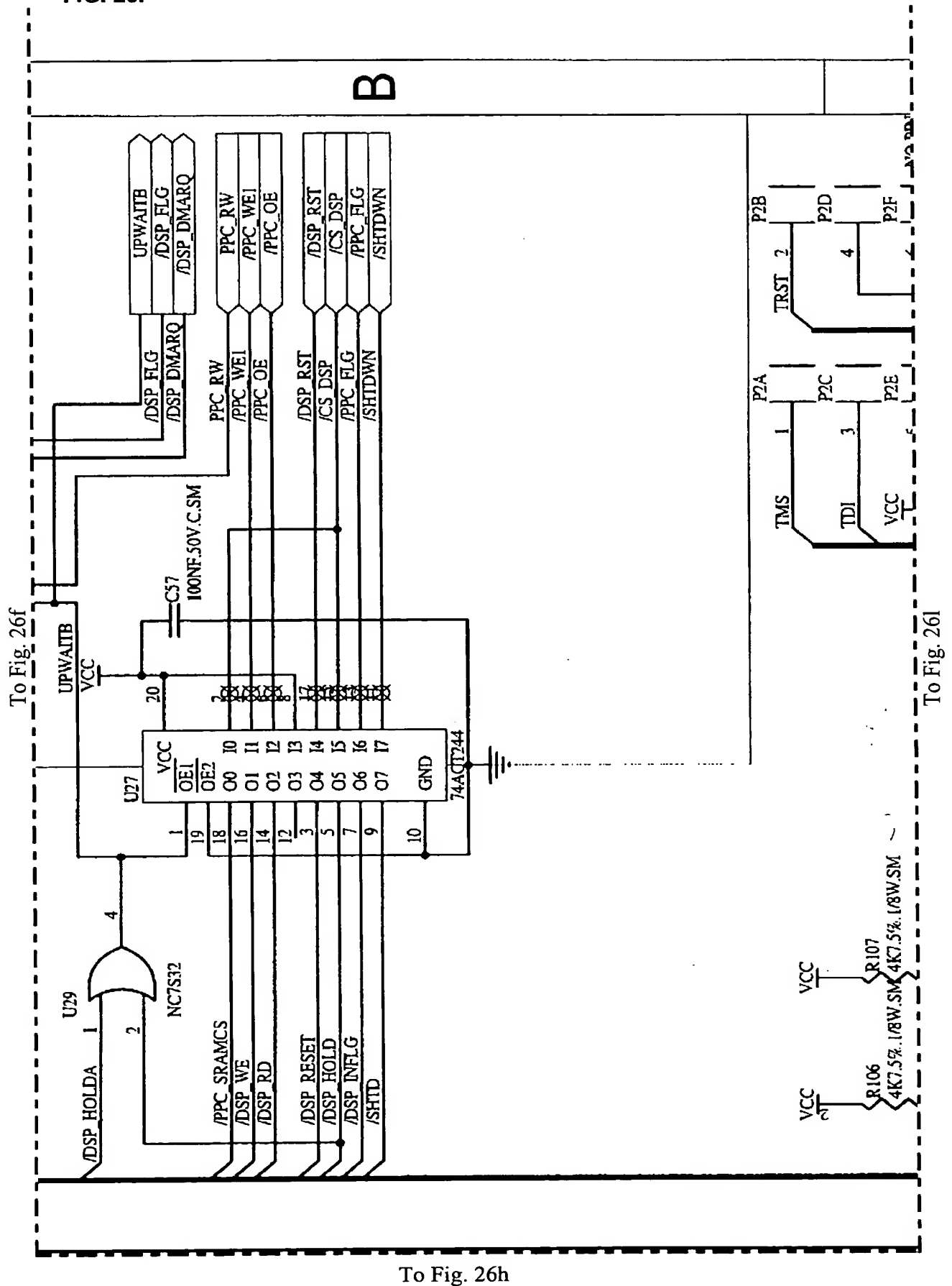
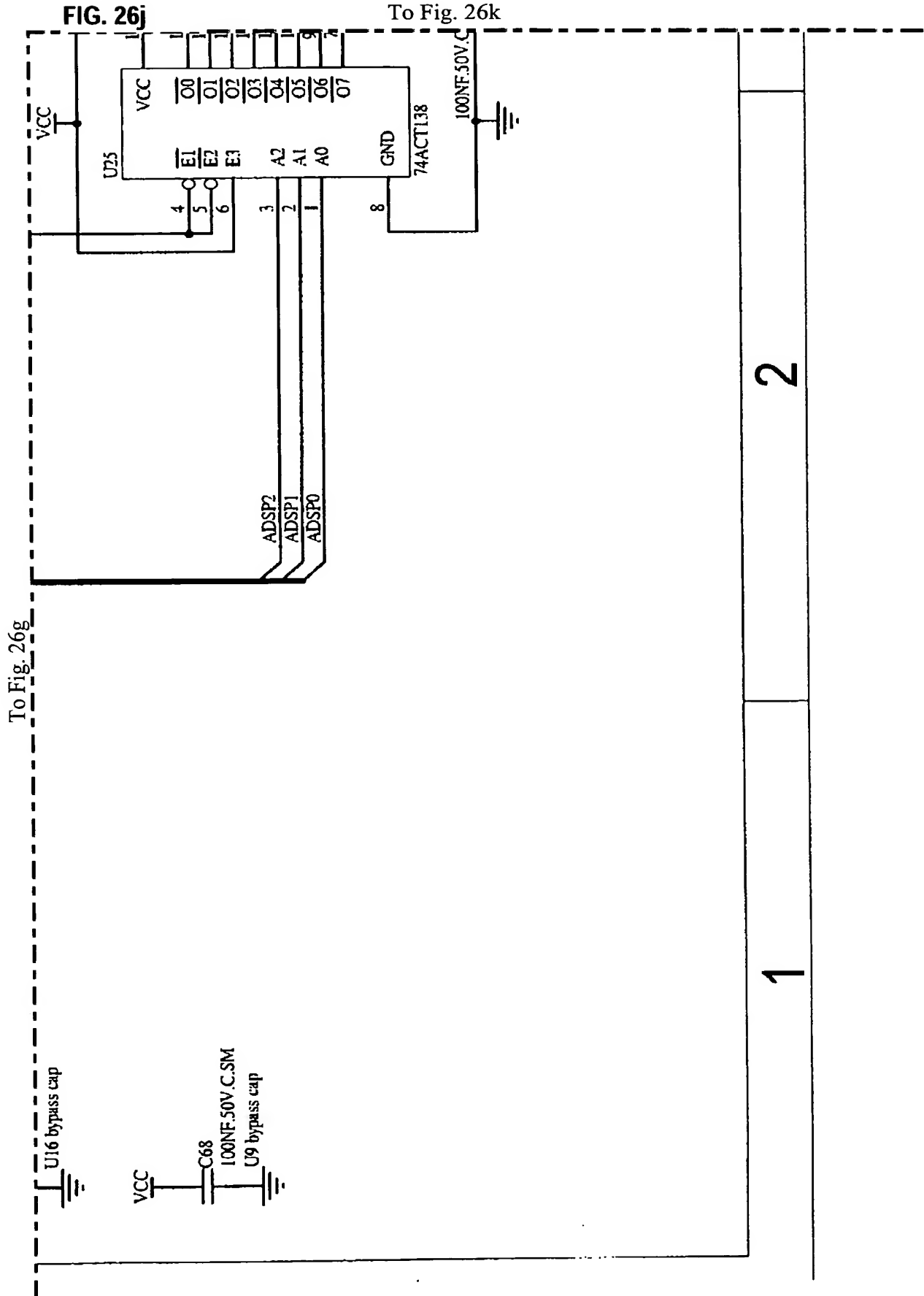


FIG. 26i





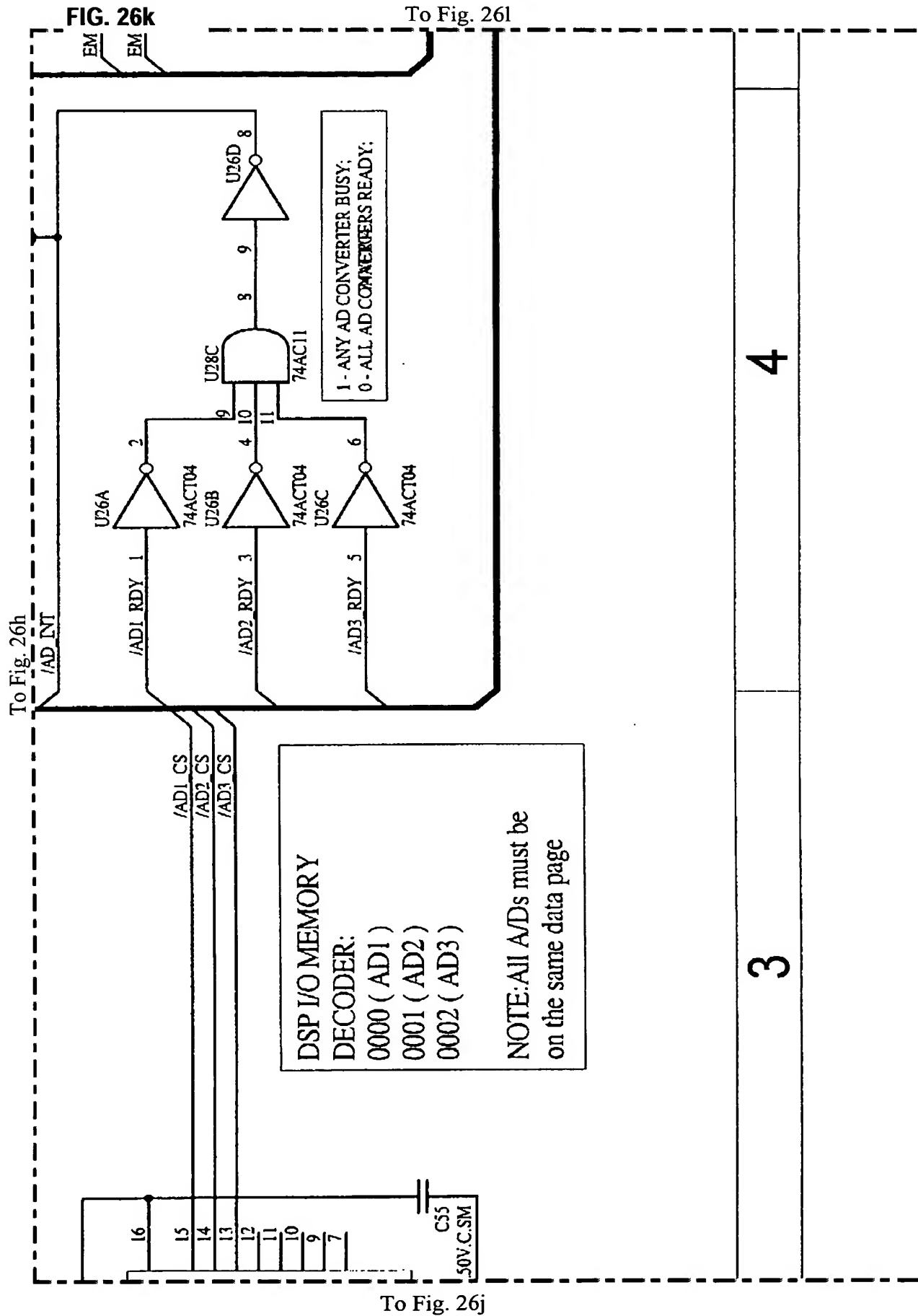


FIG. 26l

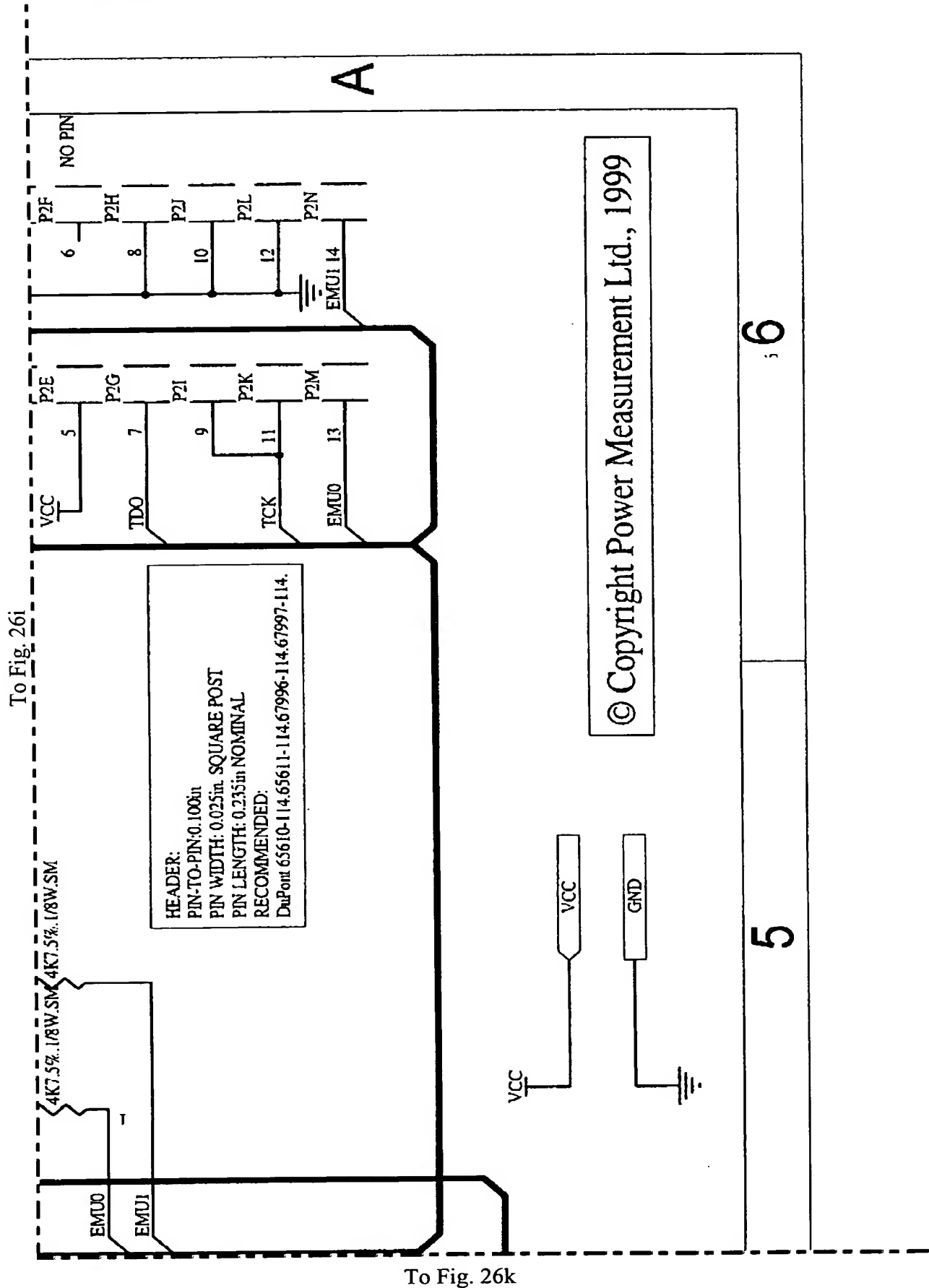
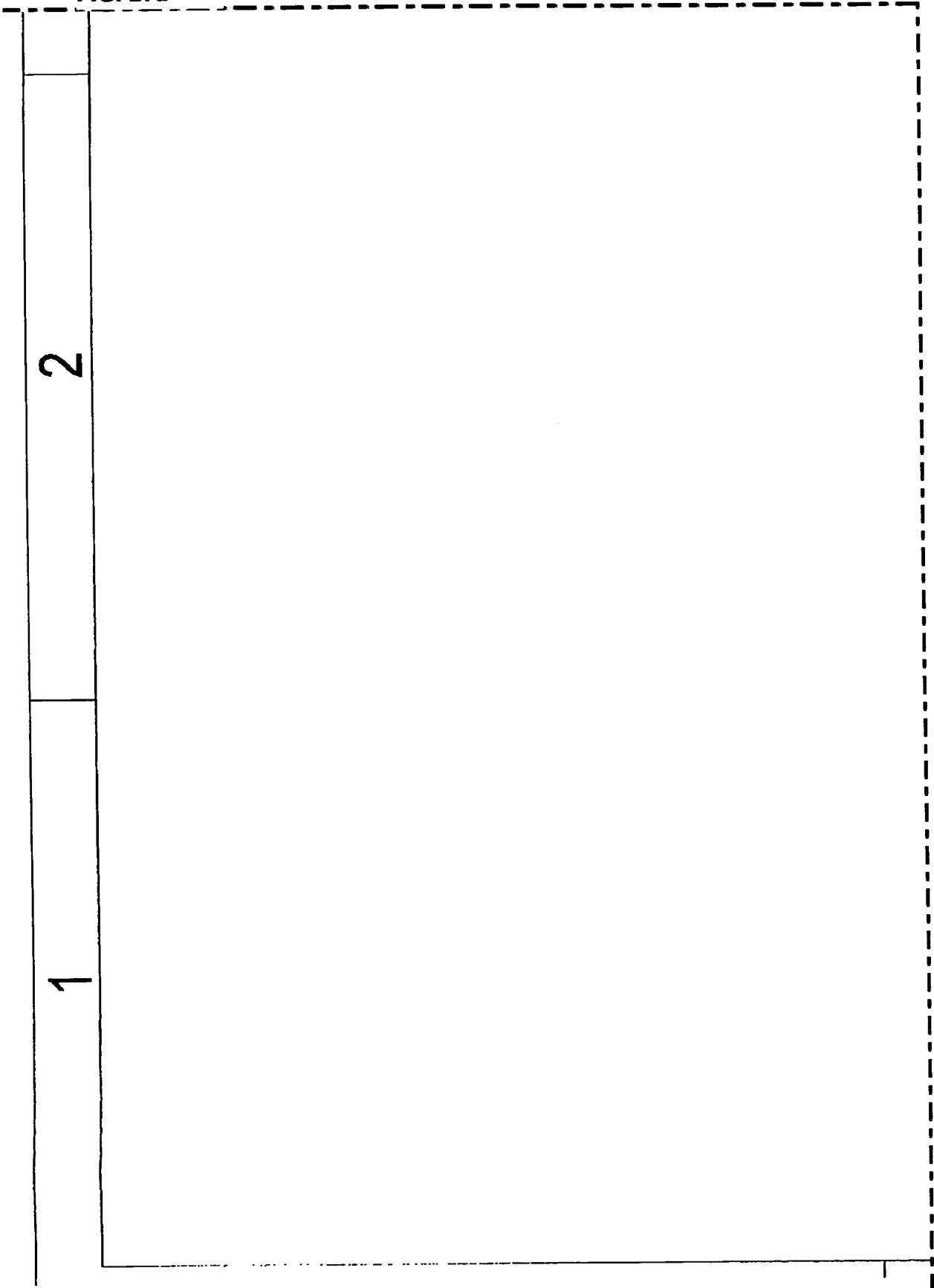


FIG. 27a

To Fig. 27b



To Fig. 27d

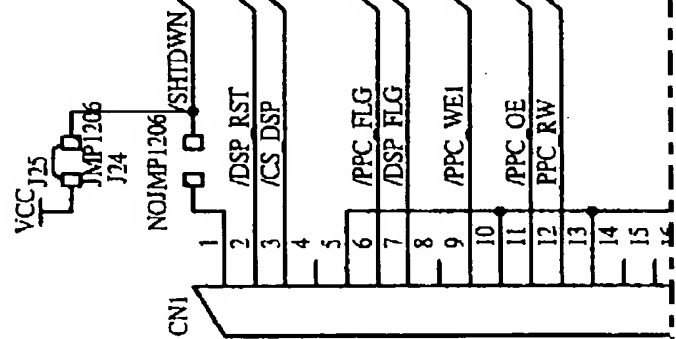
FIG. 27b

To Fig. 27c

4

3

MEASUREMENT BOARD CONNECTOR



To Fig. 27e

To Fig. 27a

FIG. 27c

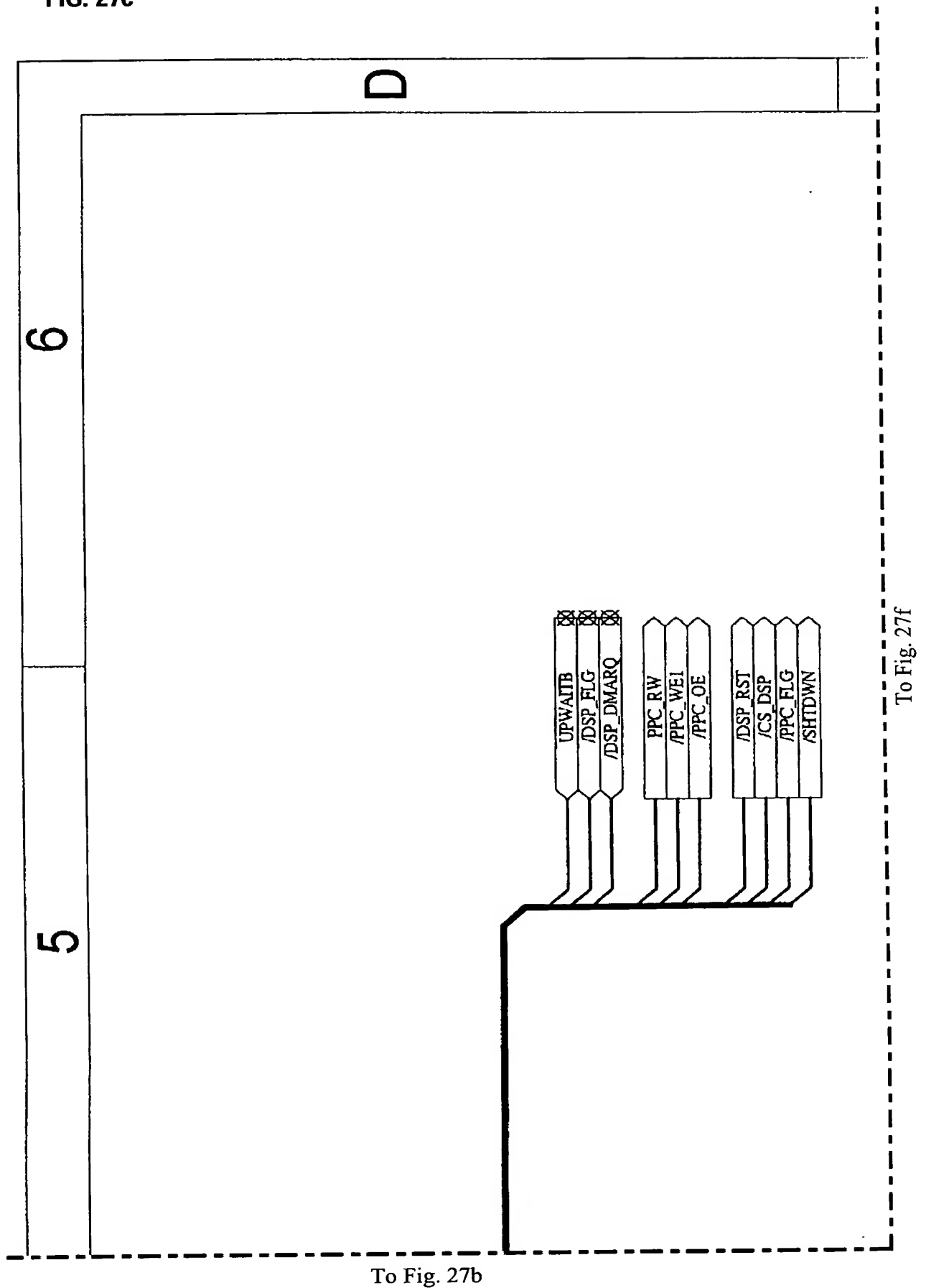


FIG. 27d

To Fig. 27e

To Fig. 27a

To Fig. 27g

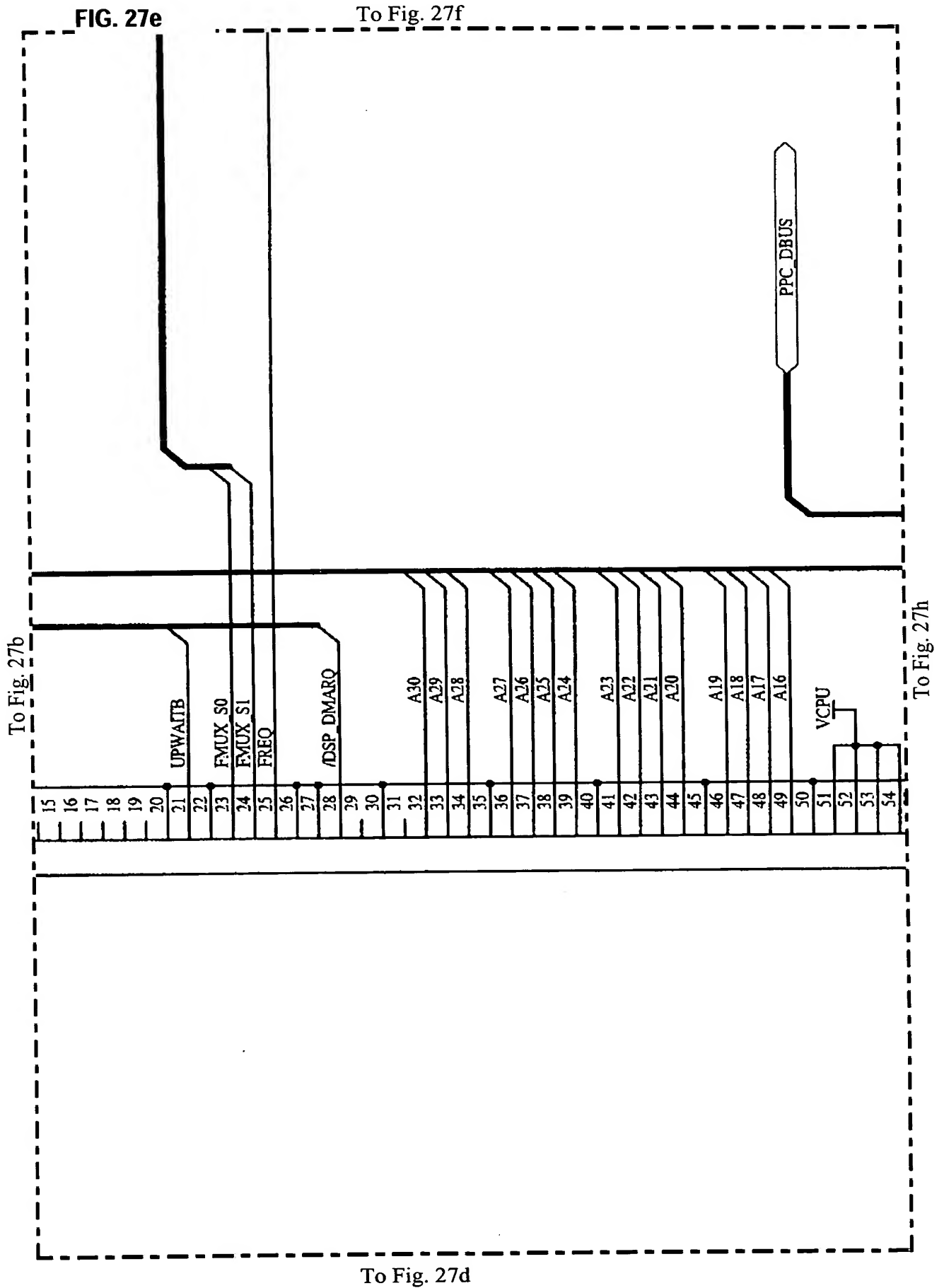


FIG. 27f

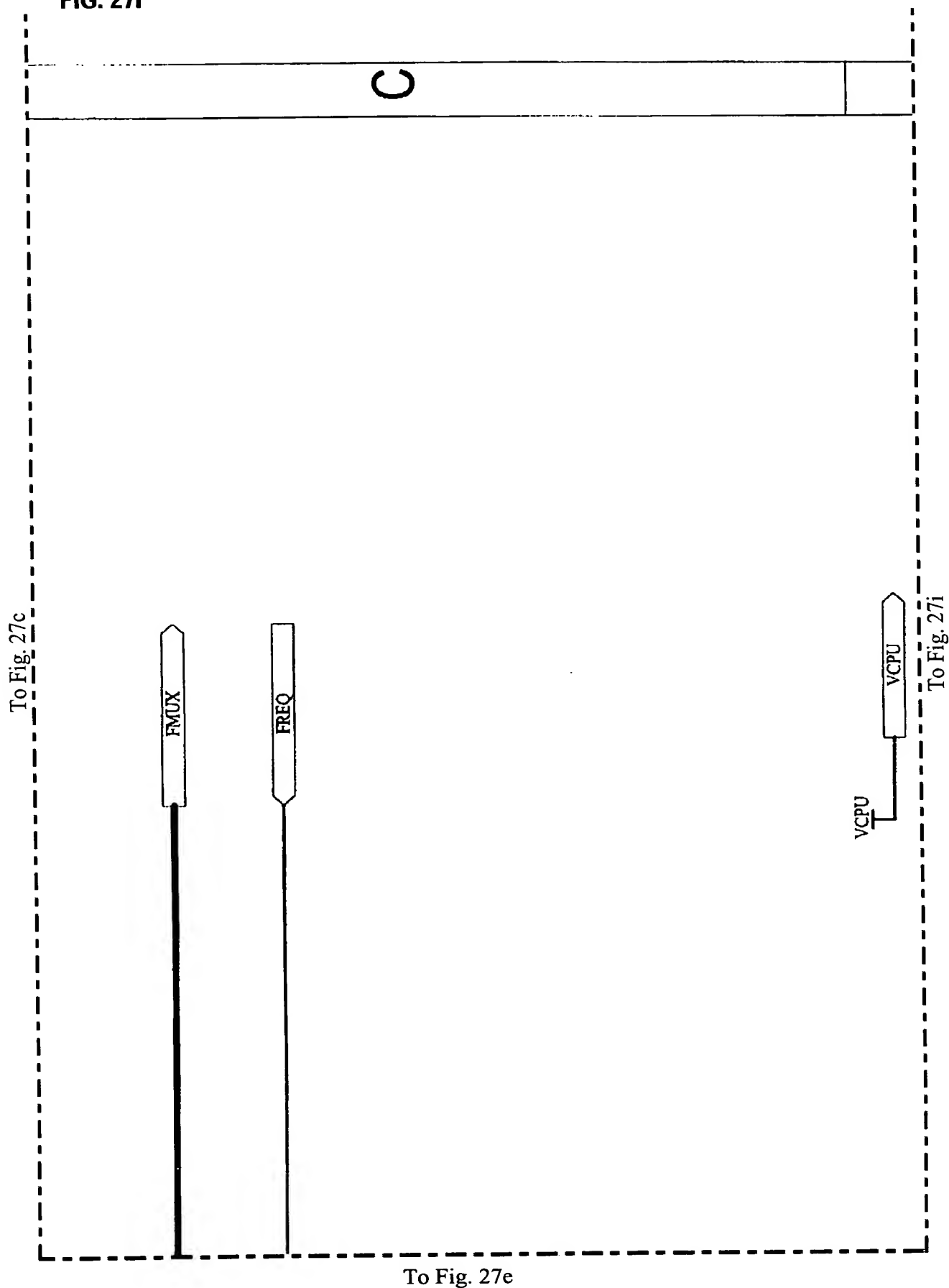


FIG. 27g

To Fig. 27h

To Fig. 27d

To Fig. 27j

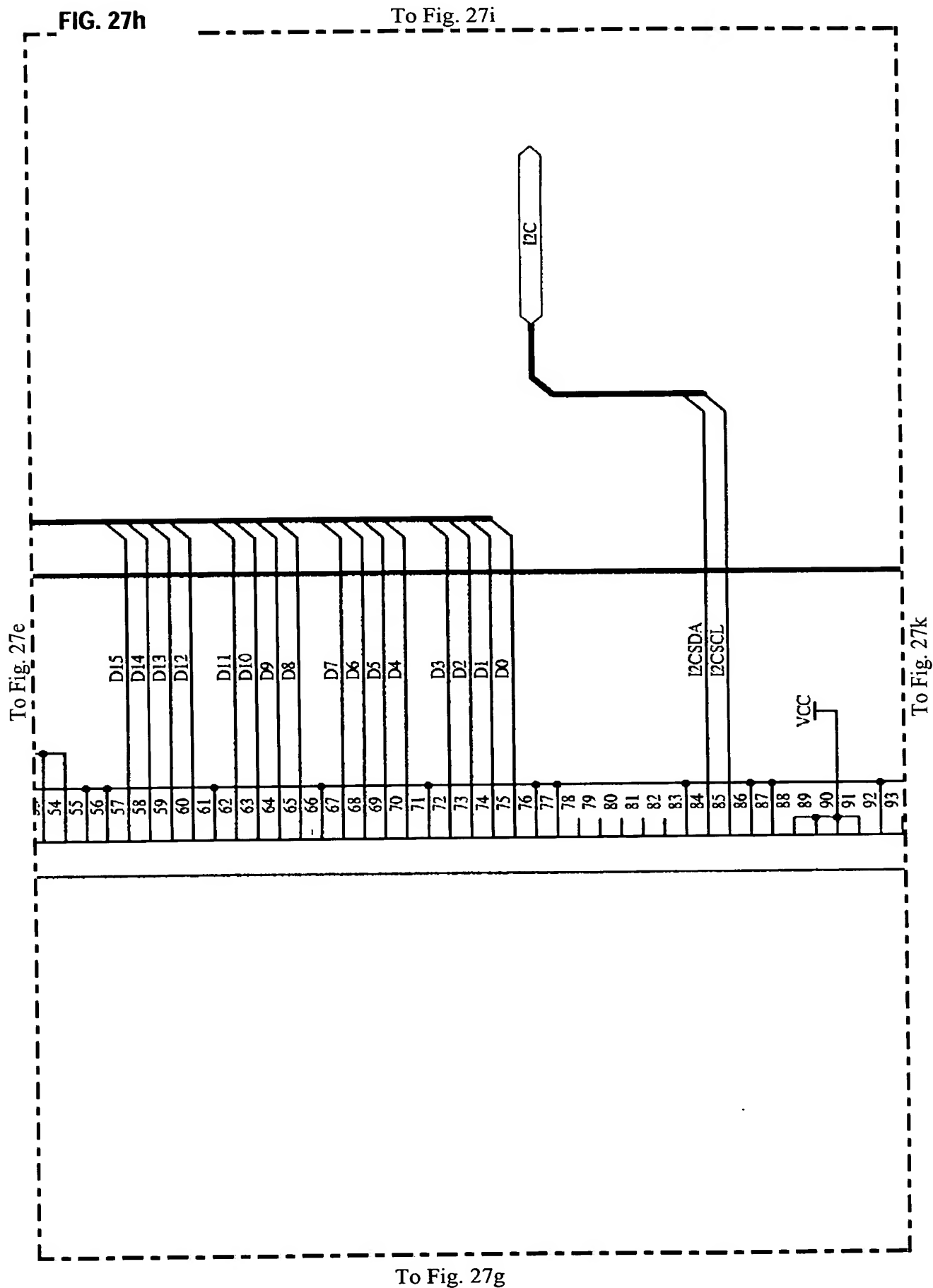


FIG. 27i

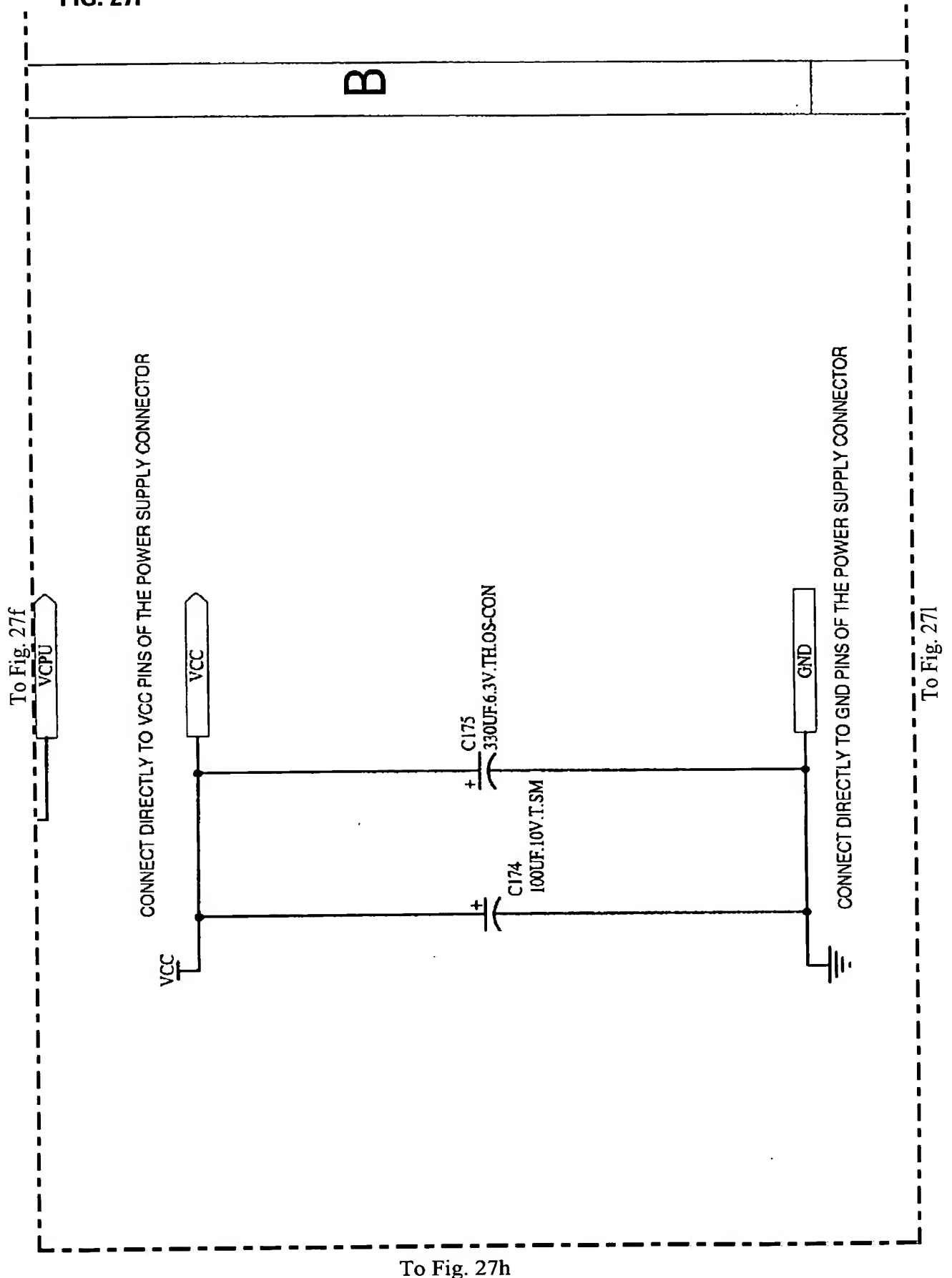
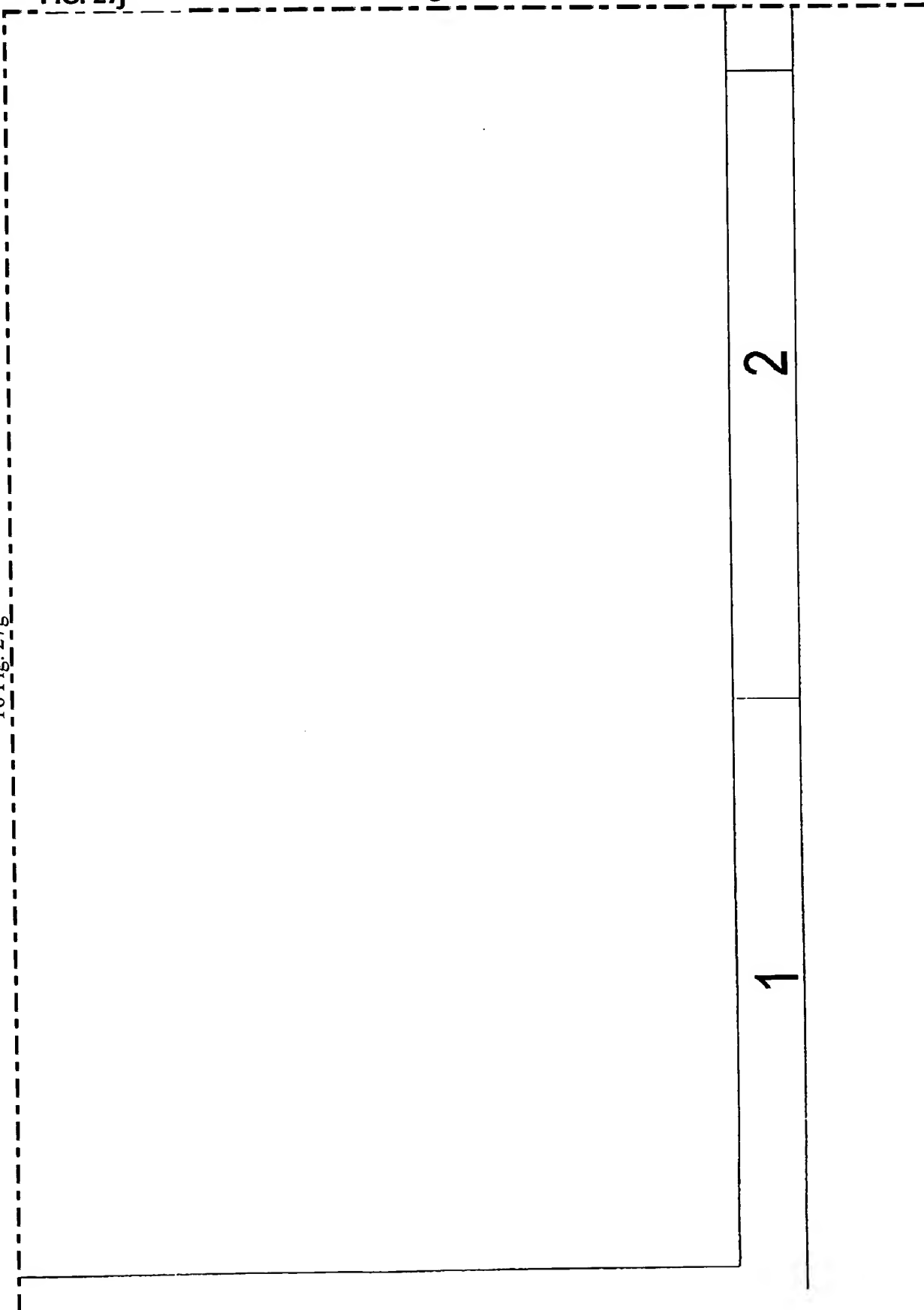


FIG. 27j

To Fig. 27k

To Fig. 27g



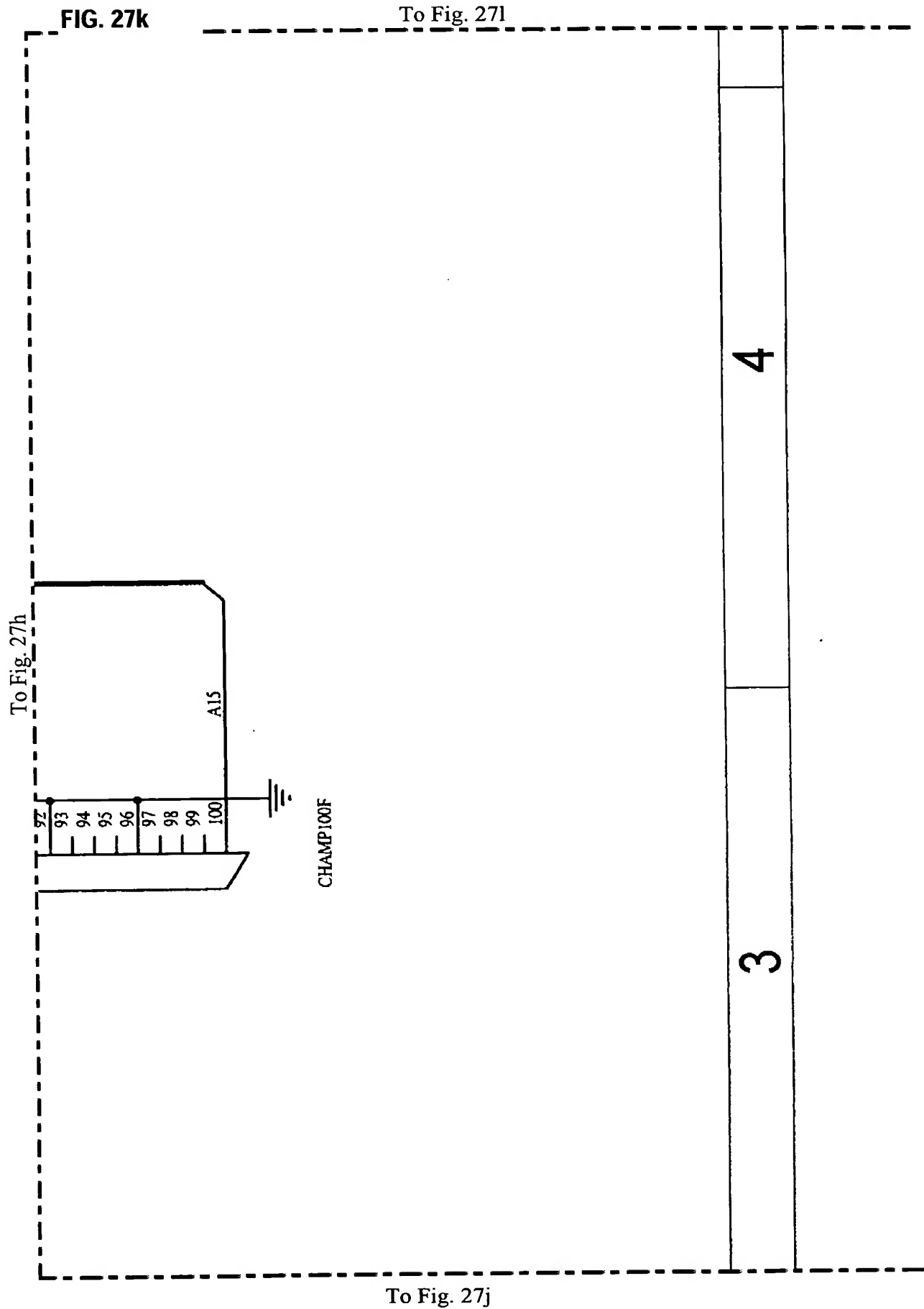


FIG. 27l

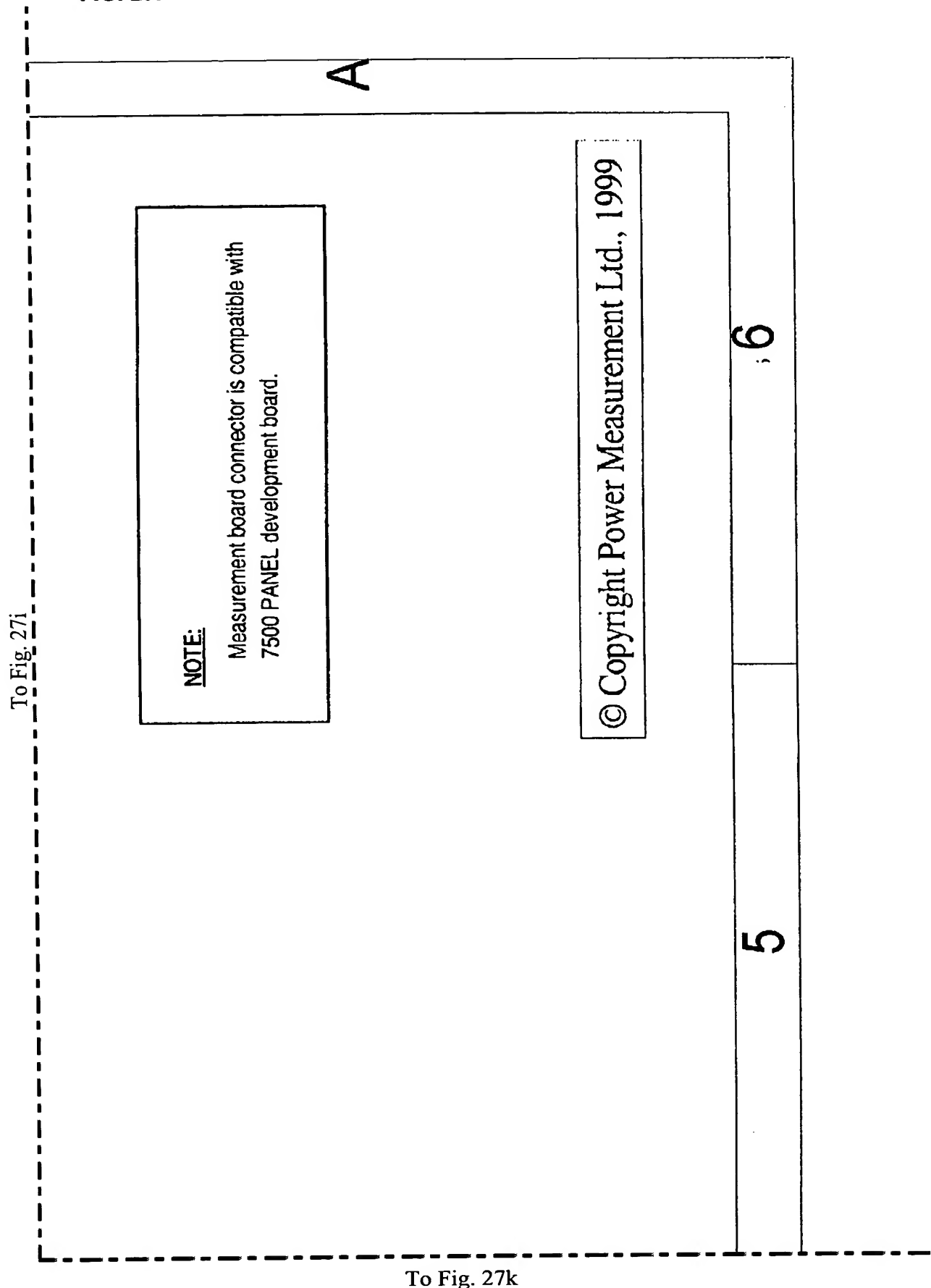
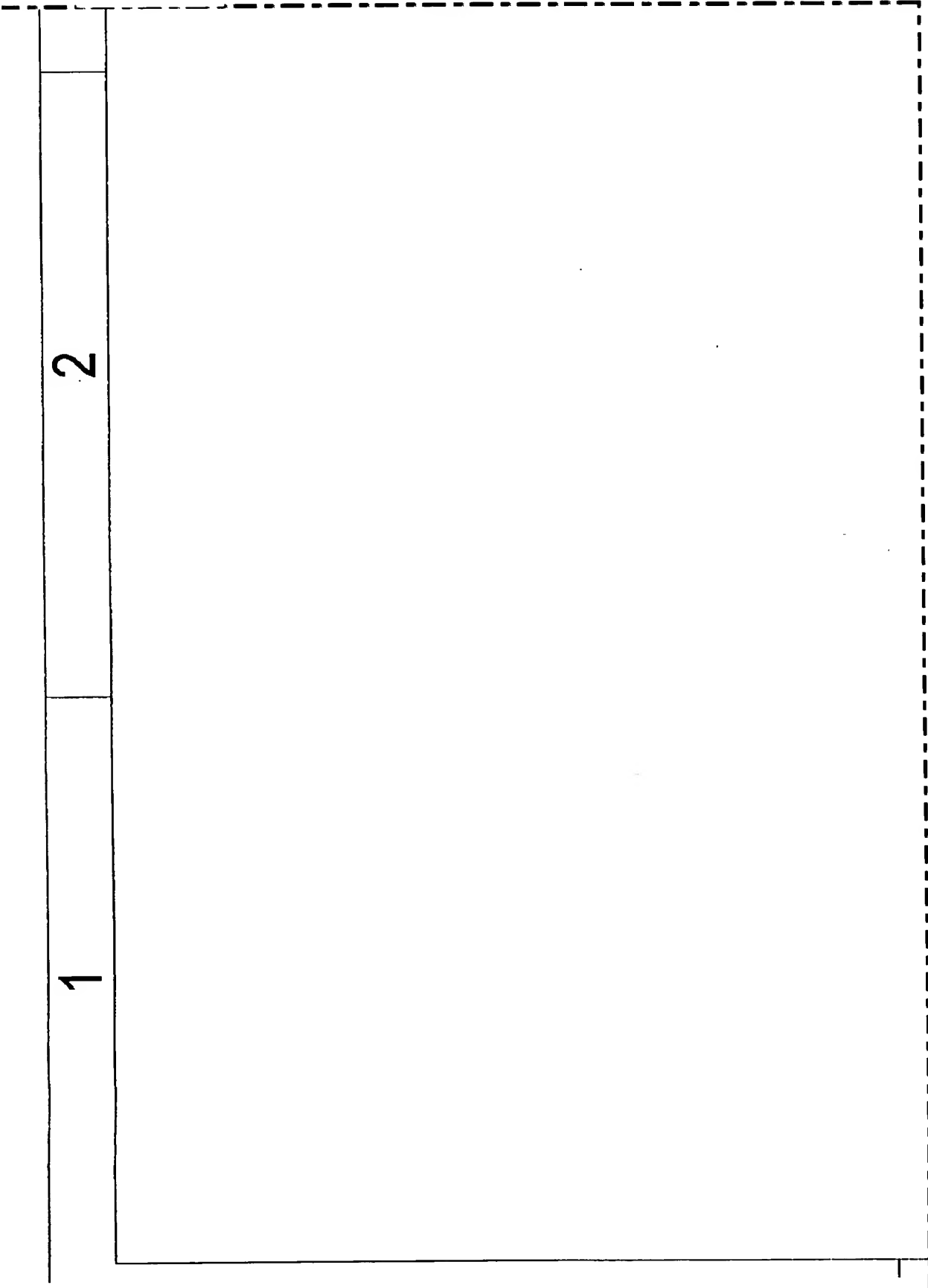


FIG. 28a

To Fig. 28b



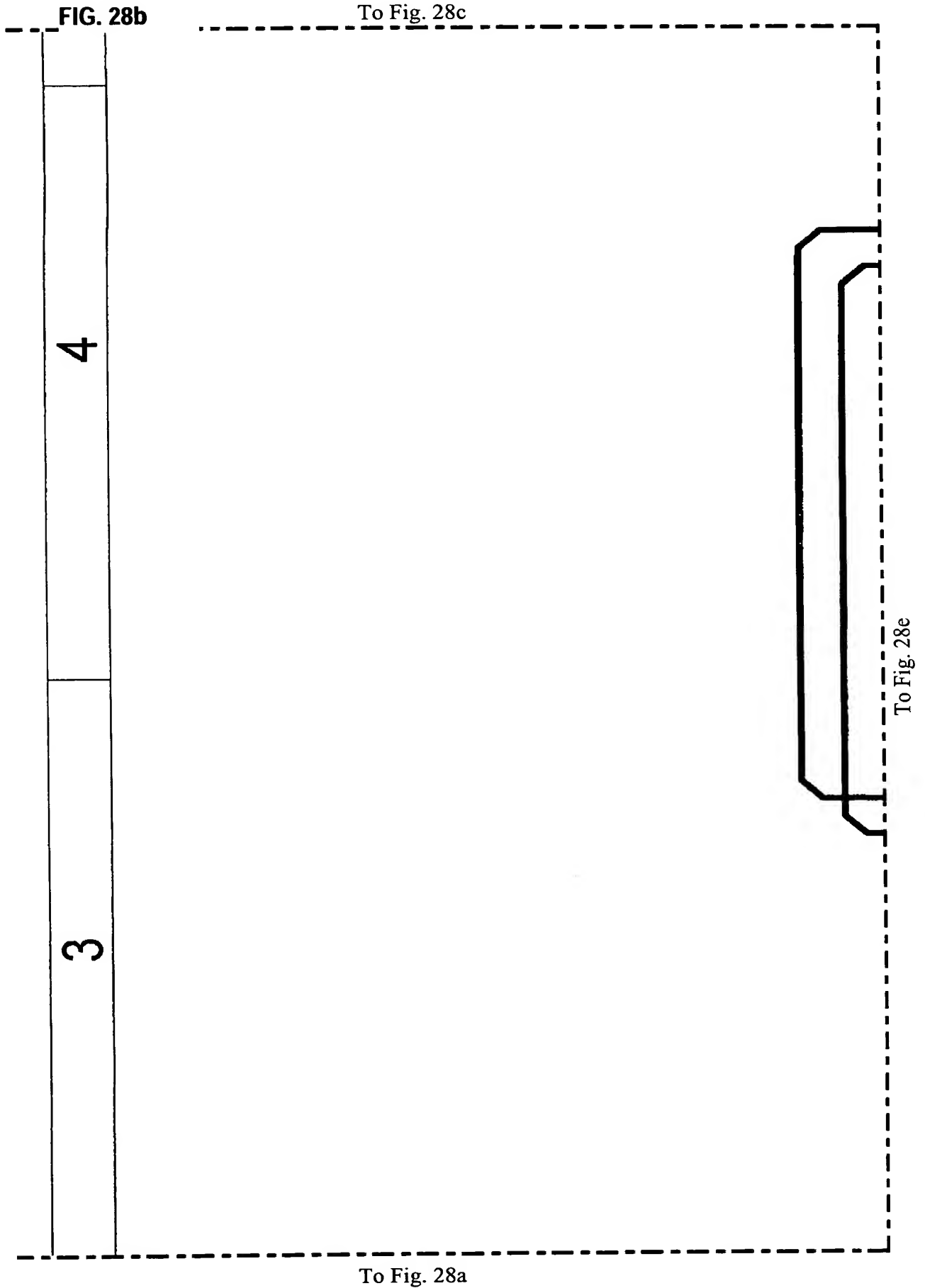


FIG. 28c

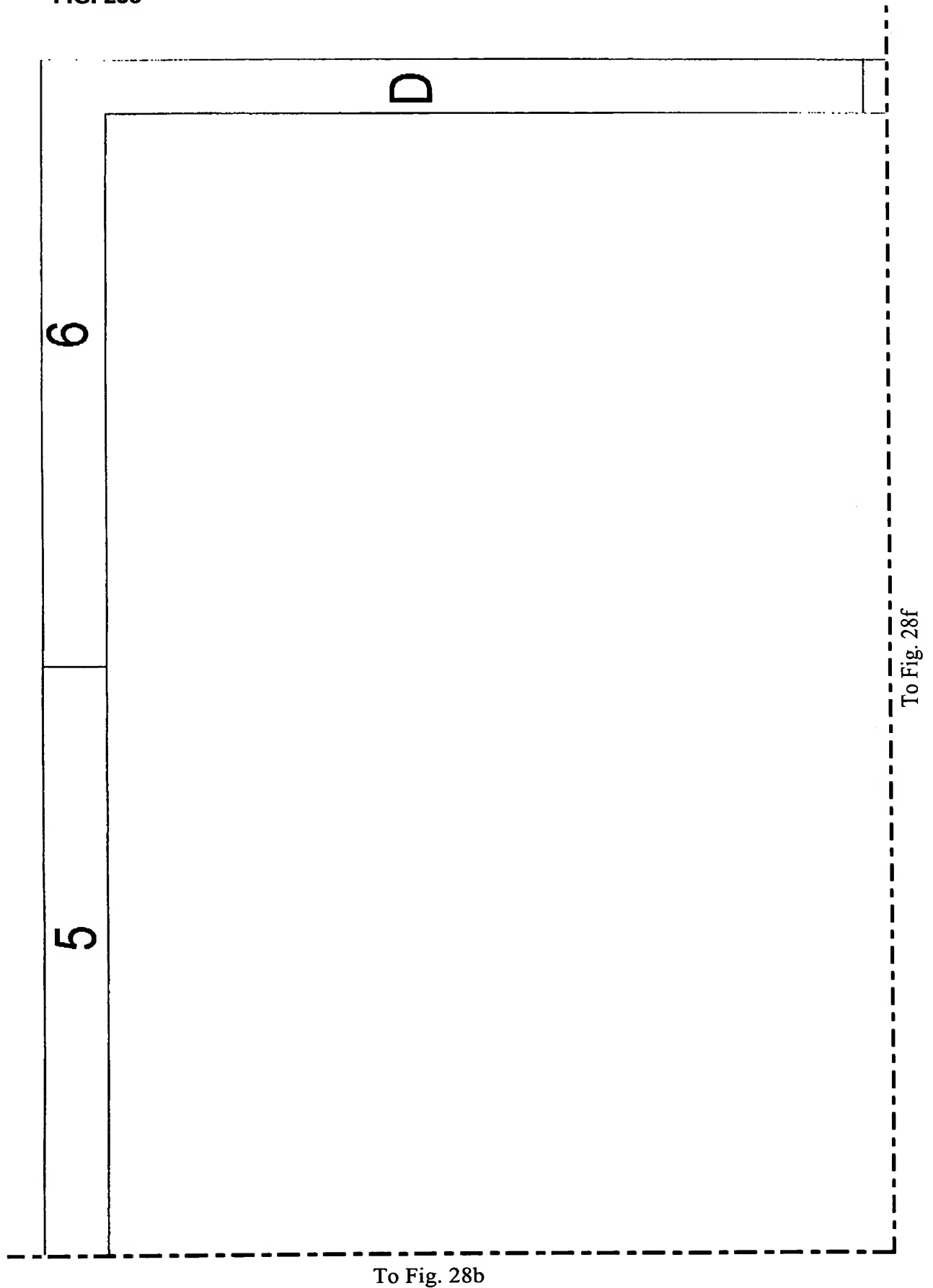


FIG. 28d

To Fig. 28e

S-053C
S-053C

To Fig. 28a

To Fig. 28g

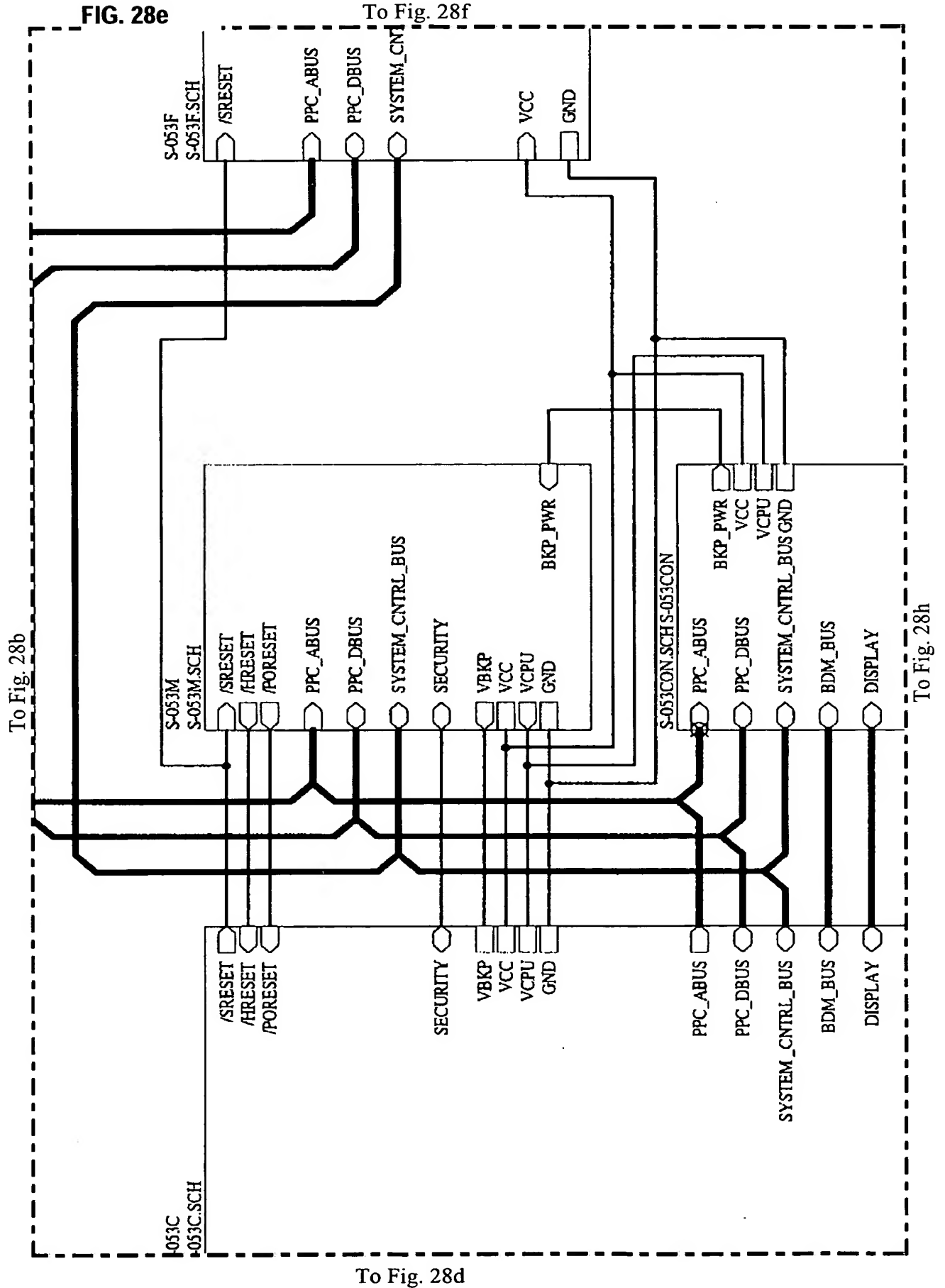


FIG. 28f

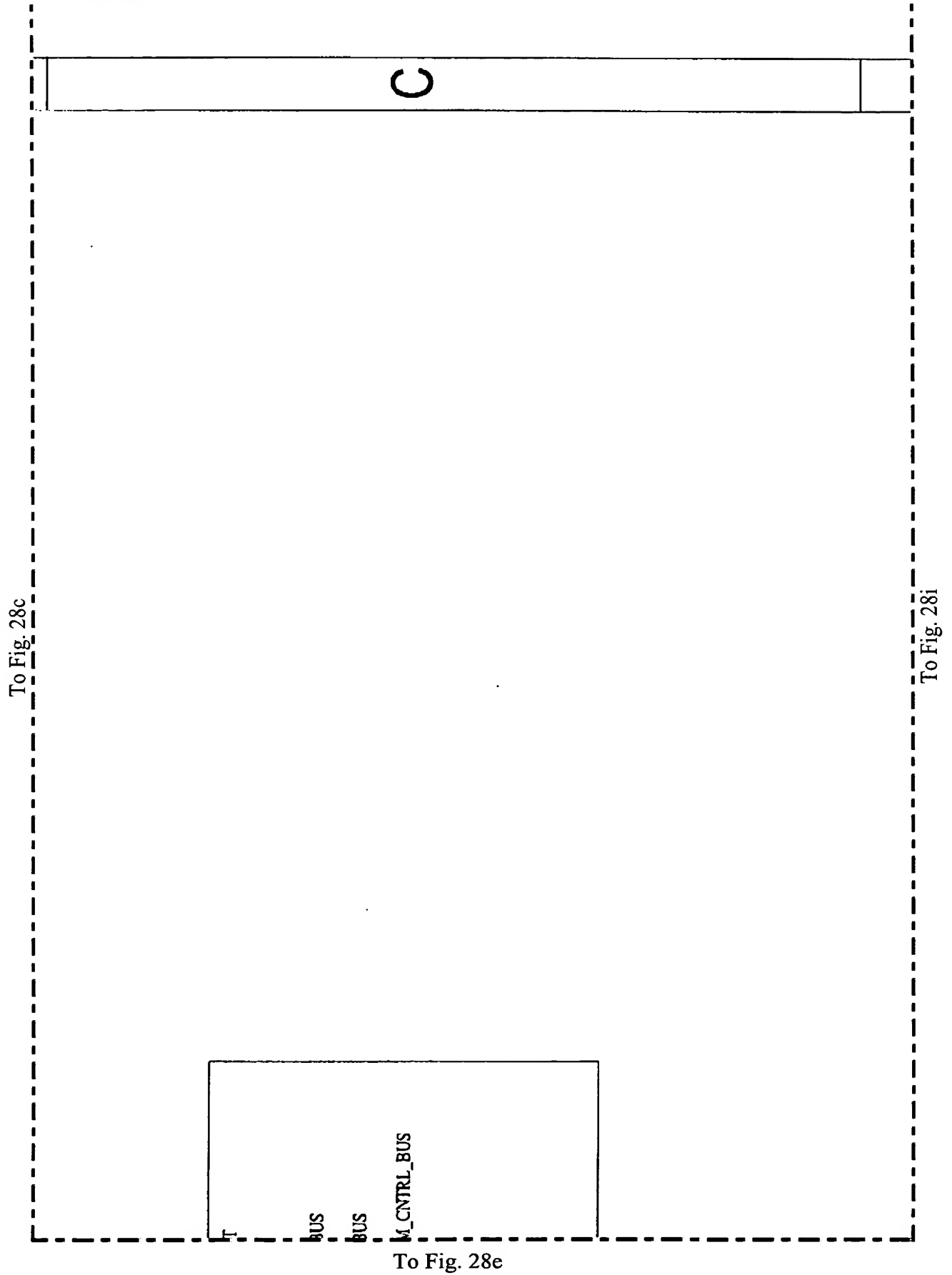


FIG. 28g

To Fig. 28h

To Fig. 28d

To Fig. 28j

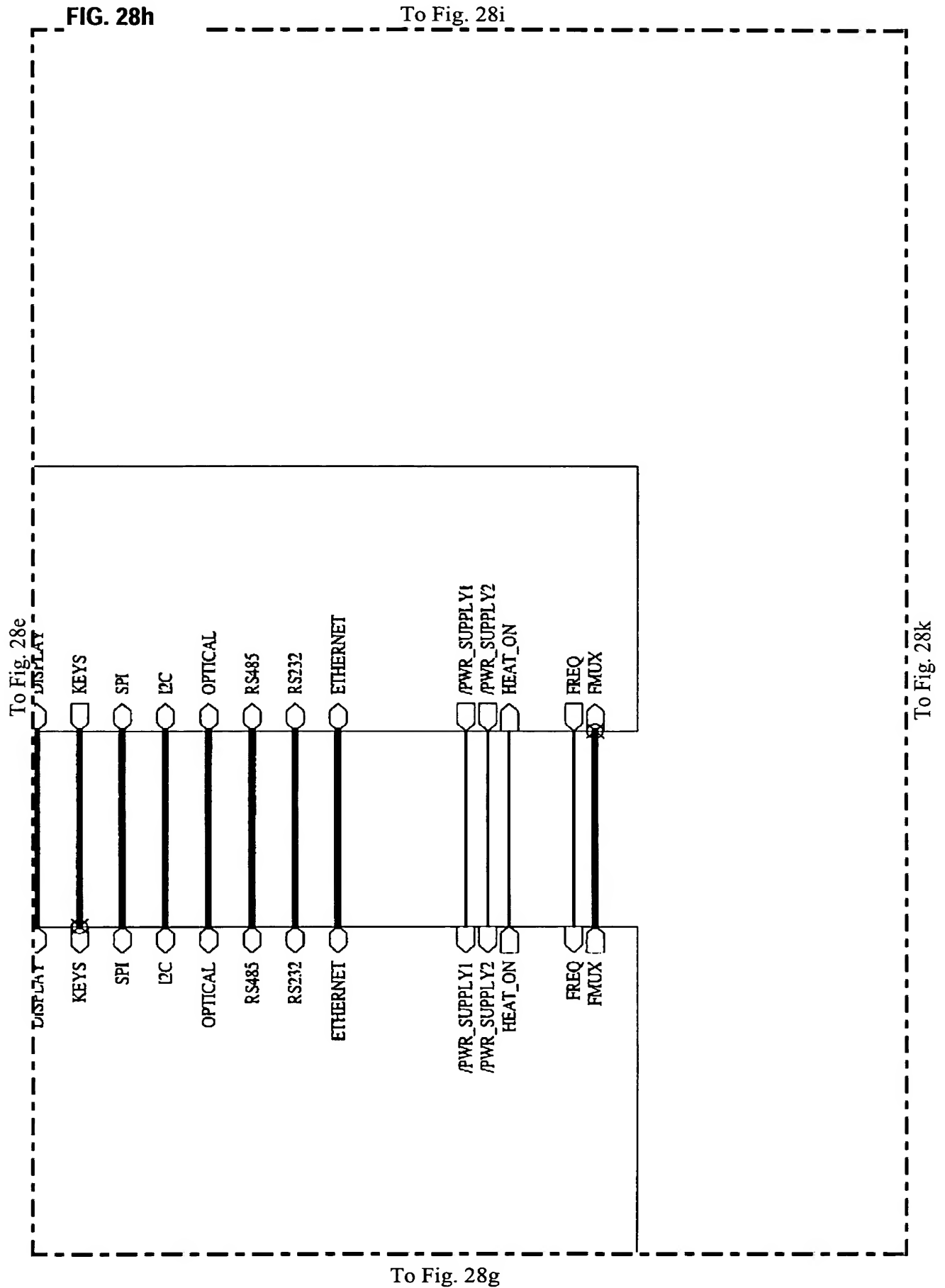


FIG. 28i

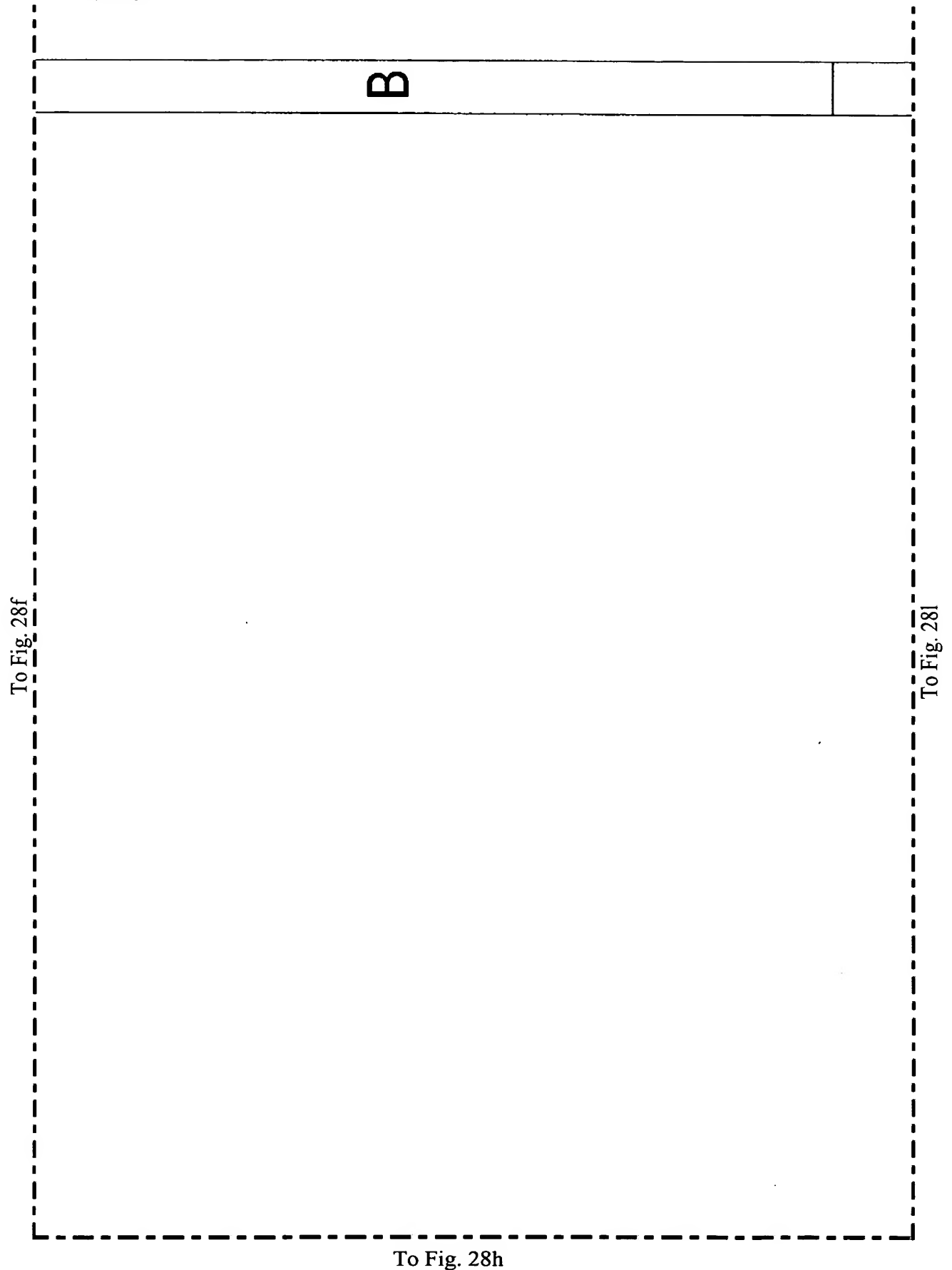


FIG. 28j

To Fig. 28k

To Fig. 28g

2

1

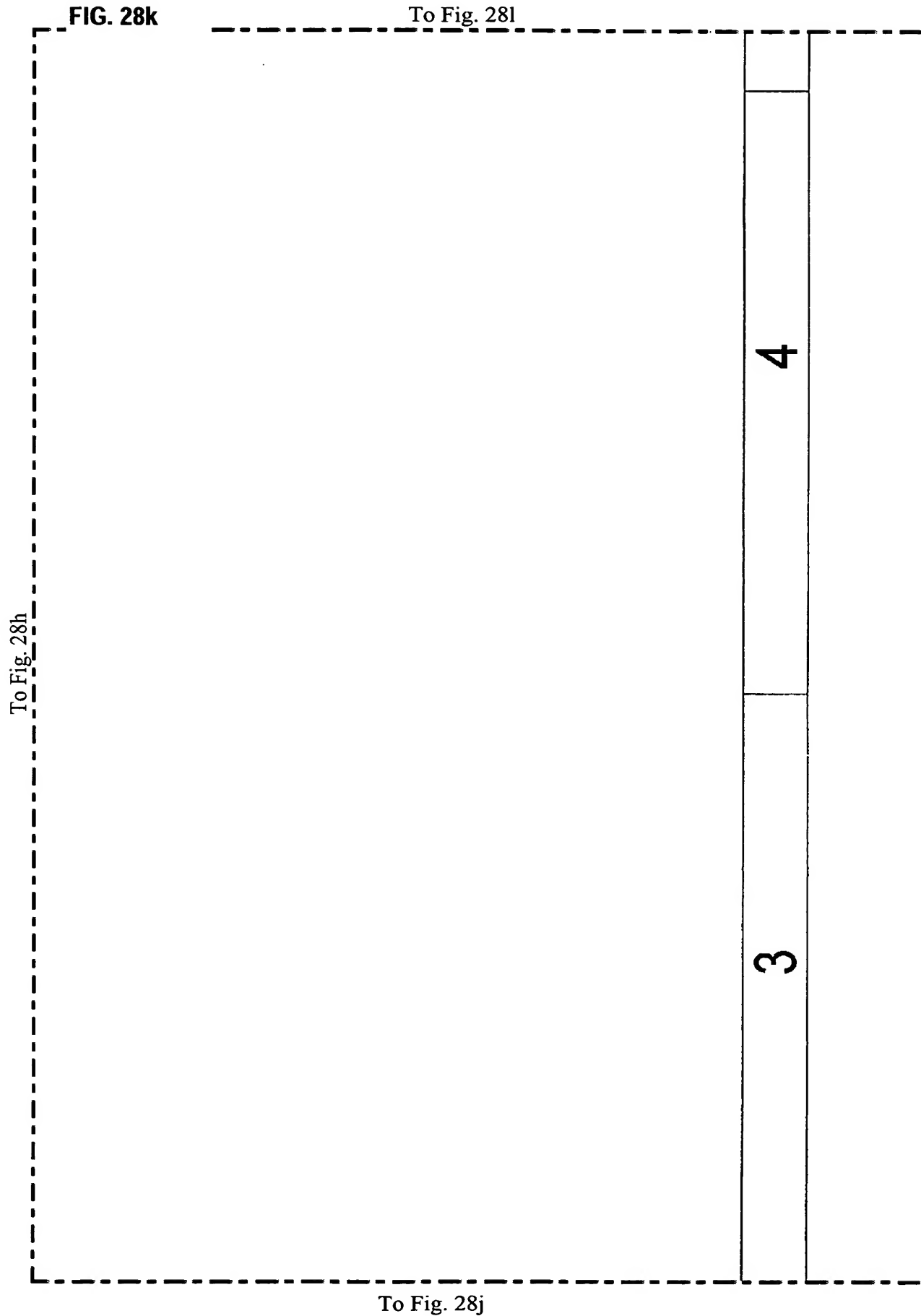


FIG. 28l

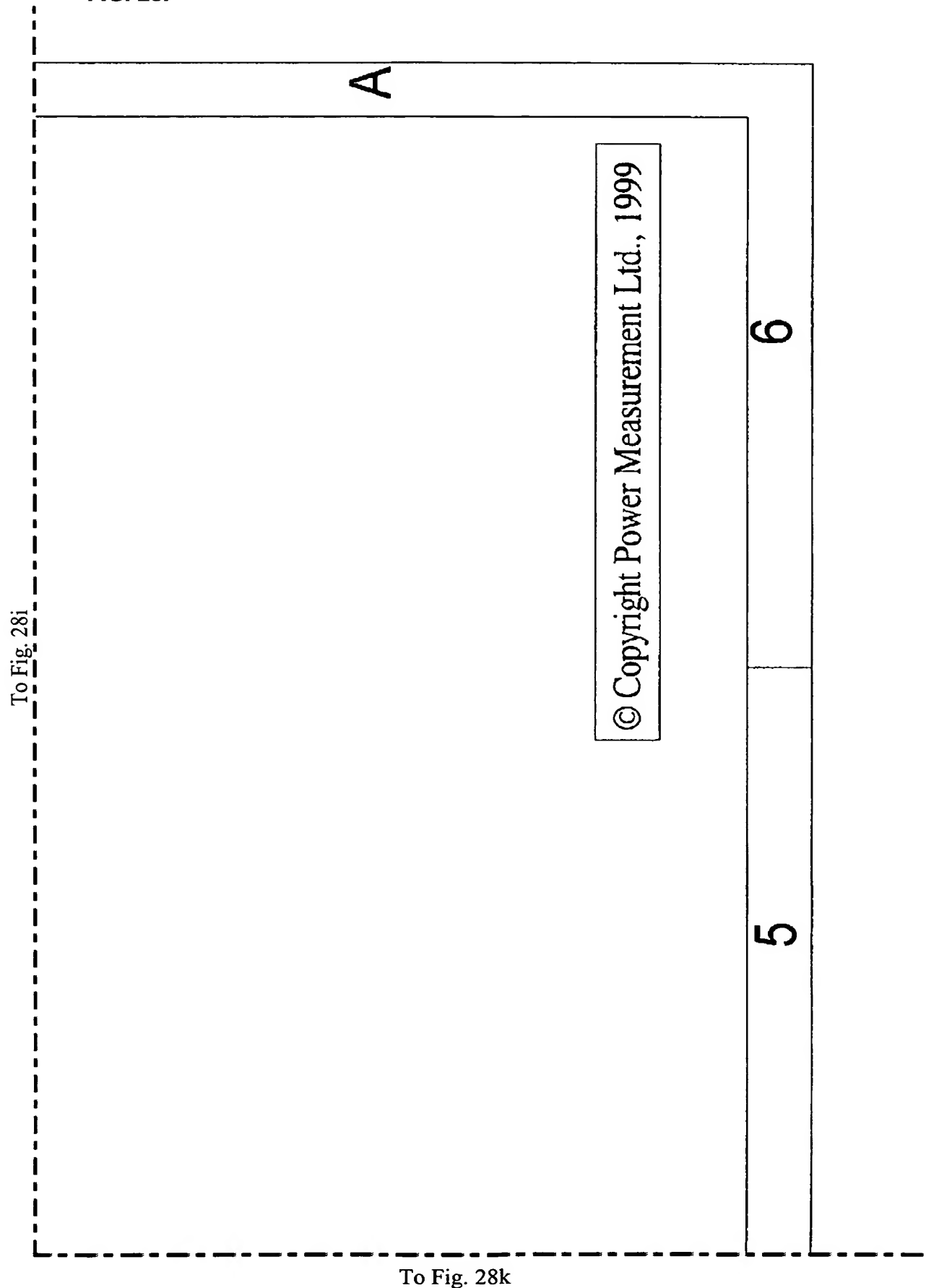
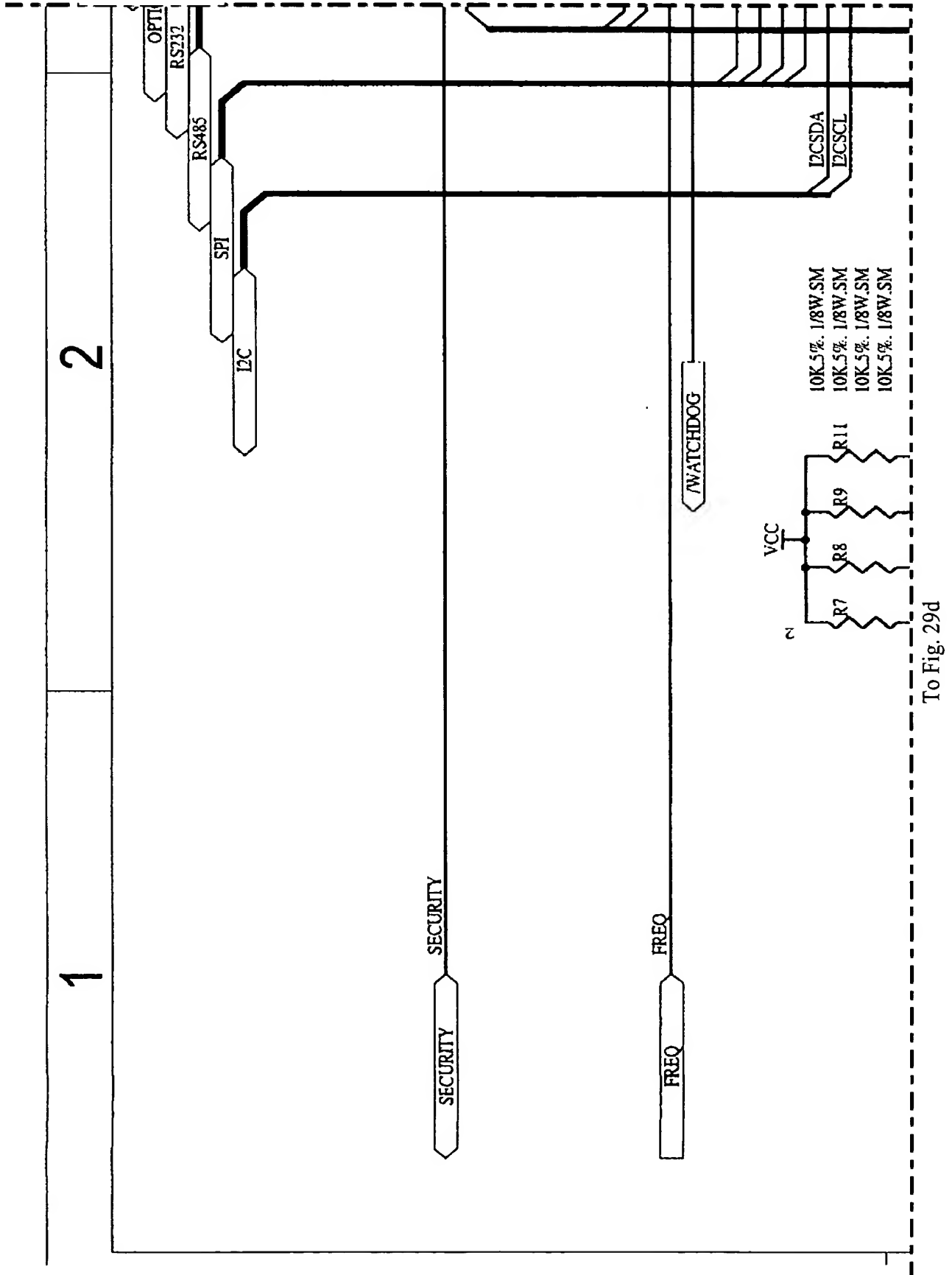
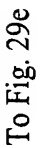


FIG. 29a

To Fig. 29b

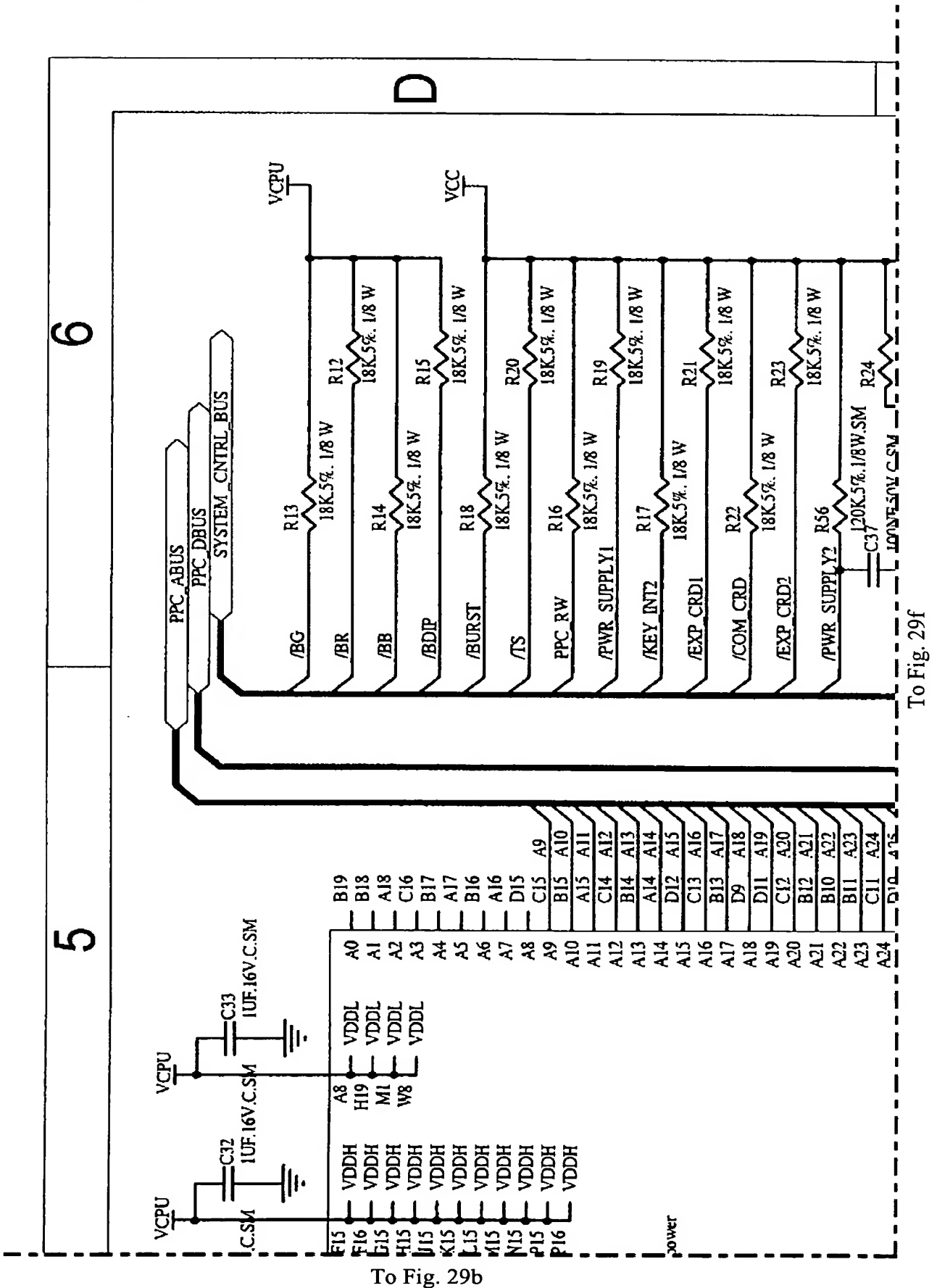


To Fig. 29c



To Fig. 29a

FIG. 29c



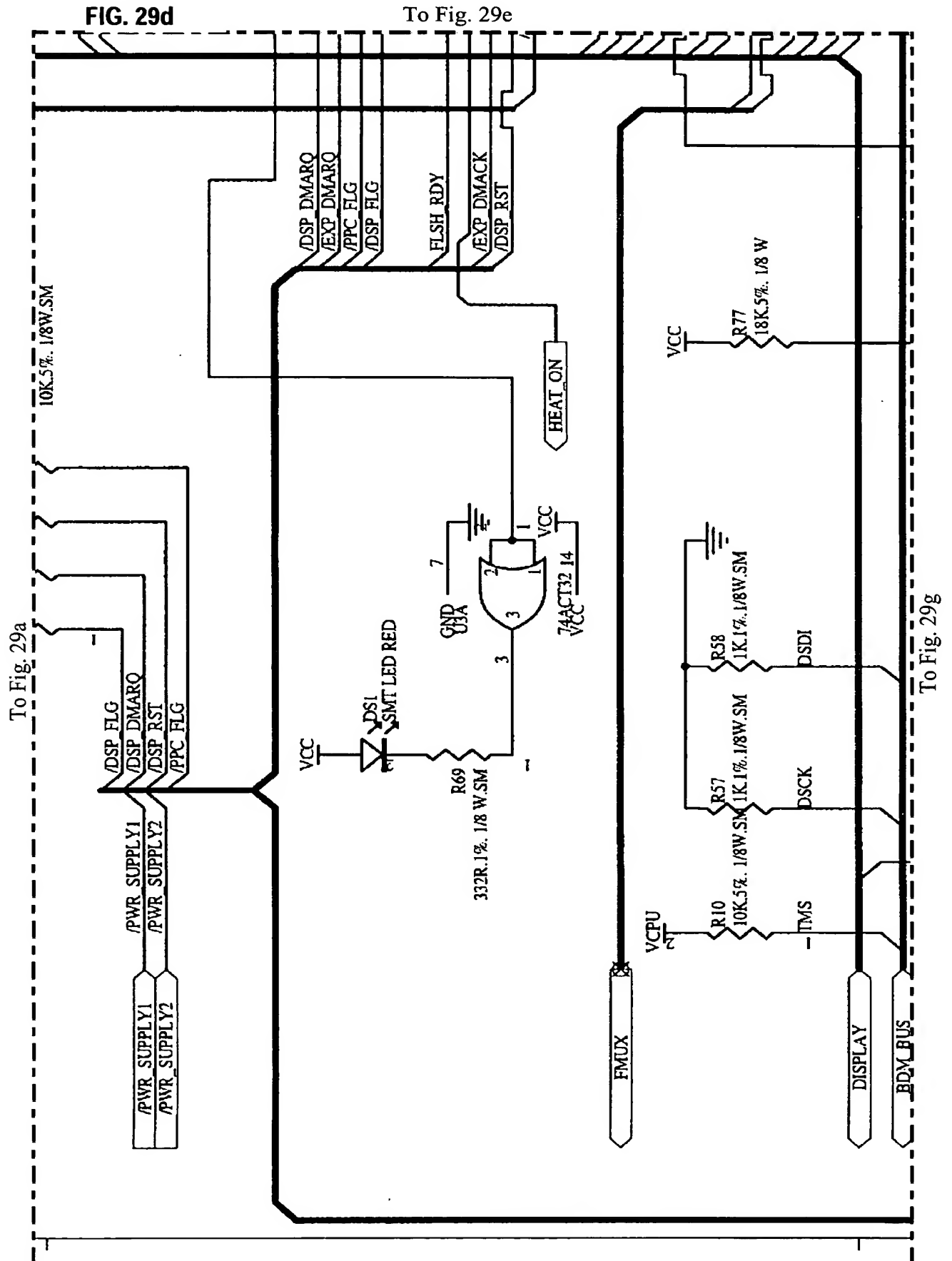


FIG. 29e

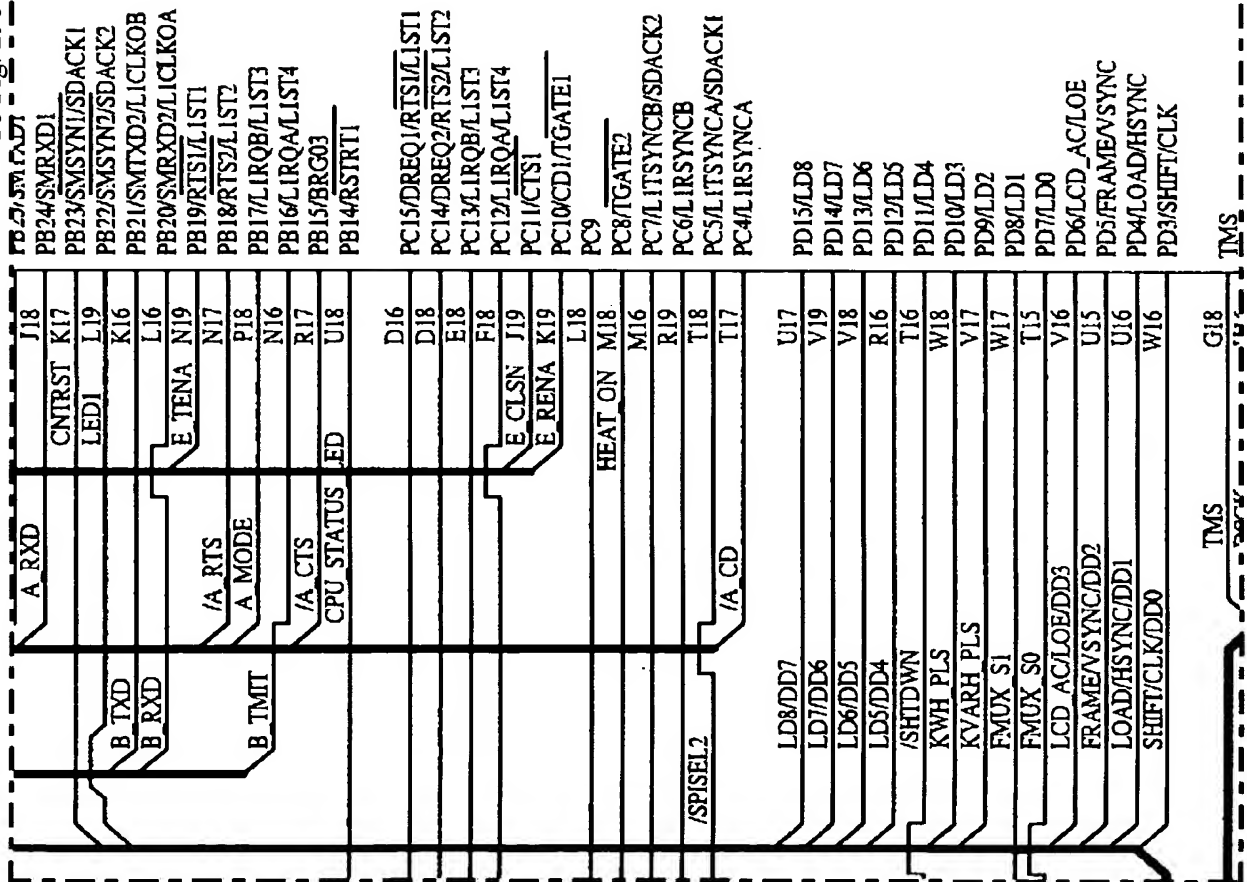
MPC821BGA

To Fig. 29f

D6 — N/C
D13 — N/C
D14 — N/C
U2 — N/C
V2 — N/C

F6 — GND
F7 — GND
F8 — GND
F9 — GND
F10 — GND
F11 — GND
F12 — GND
F13 — GND
F14 — GND
G6 — GND
G7 — GND
G8 — GND
G9 — GND
G10 — GND
G11 — GND
G12 — GND
G13 — GND
G14 — GND
H6 — GND
H7 — GND
H8 — GND
H9 — GND
H10 — GND

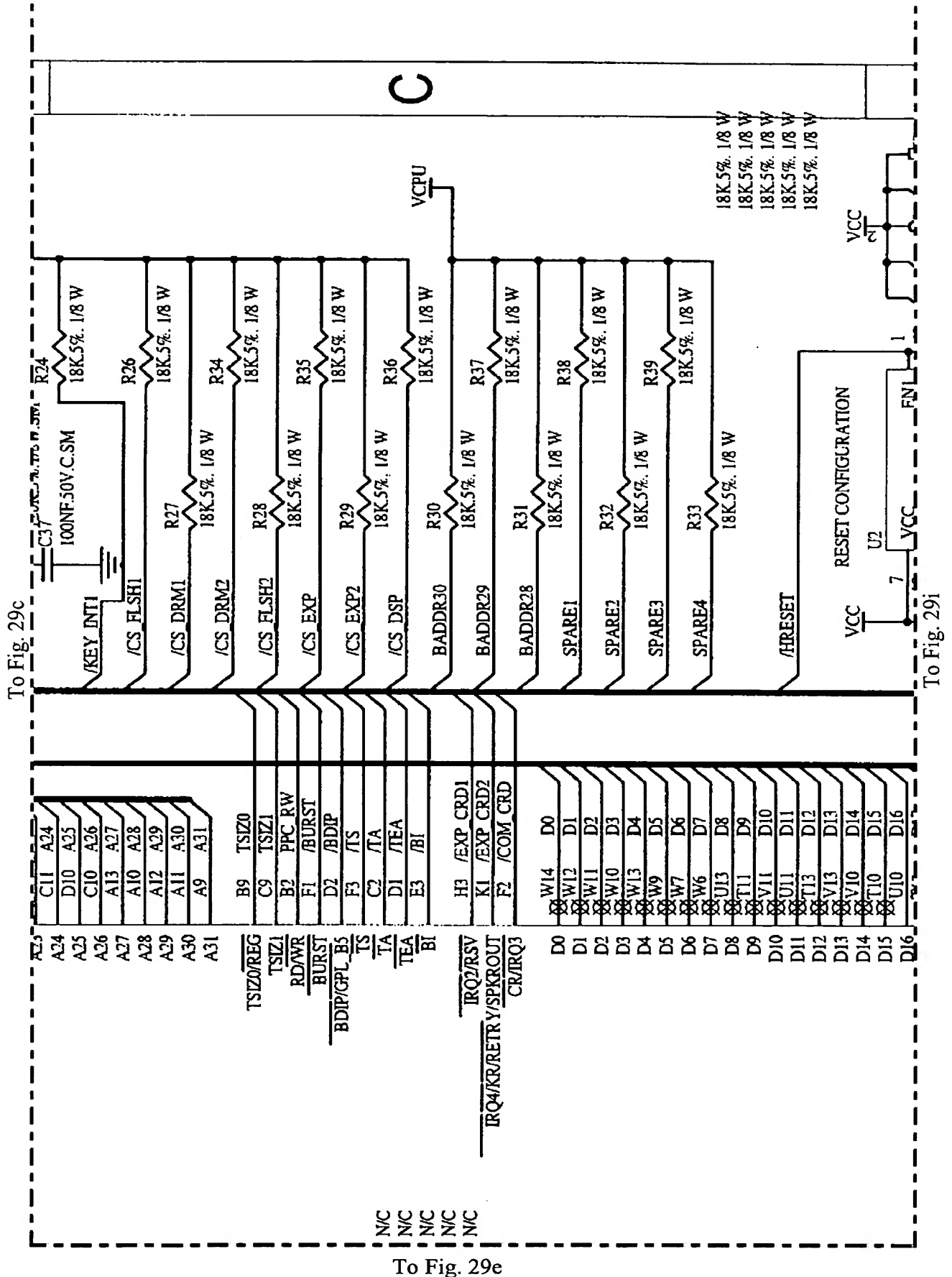
To Fig. 29b

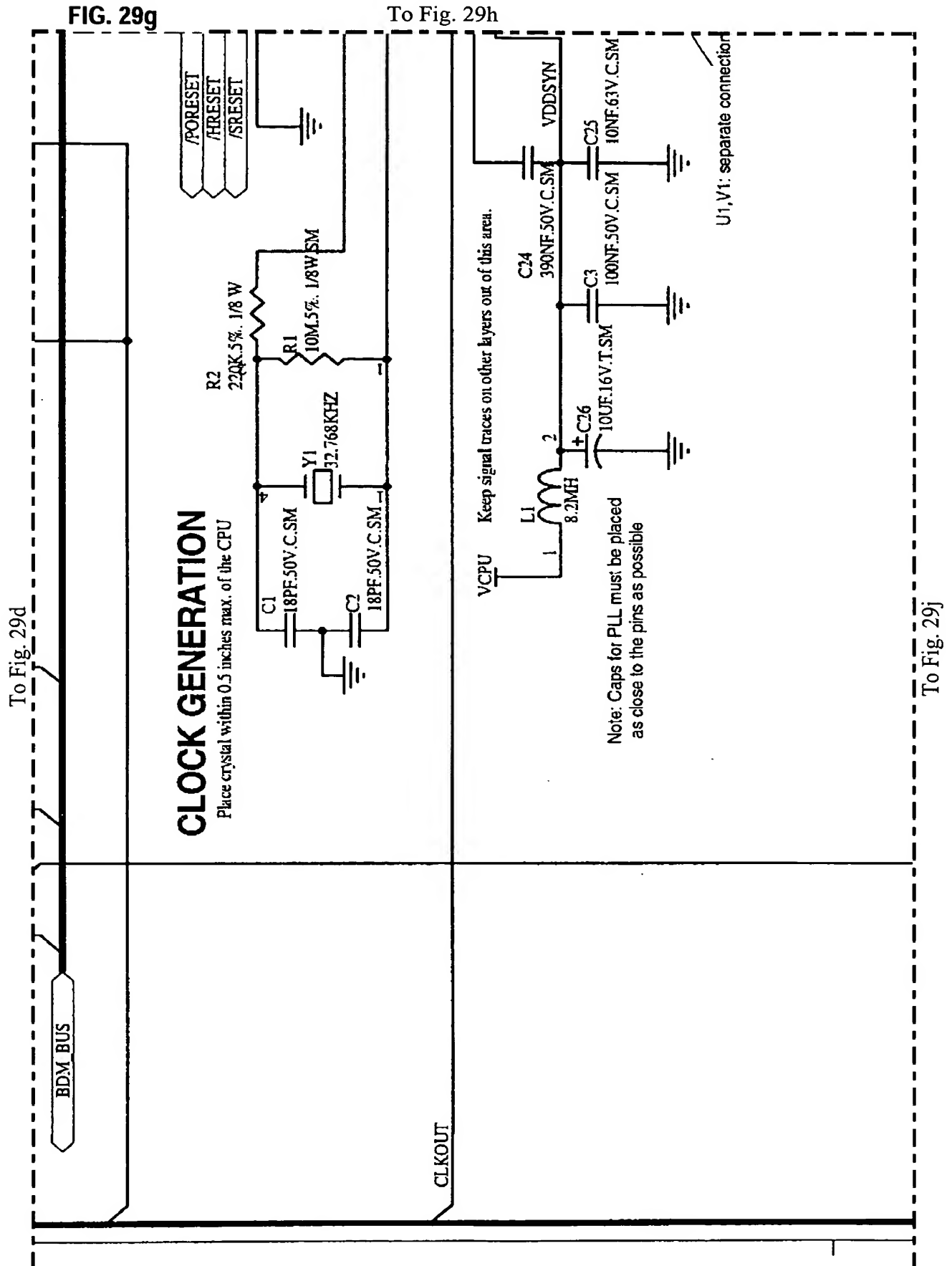


To Fig. 29d

To Fig. 29h

FIG. 29f





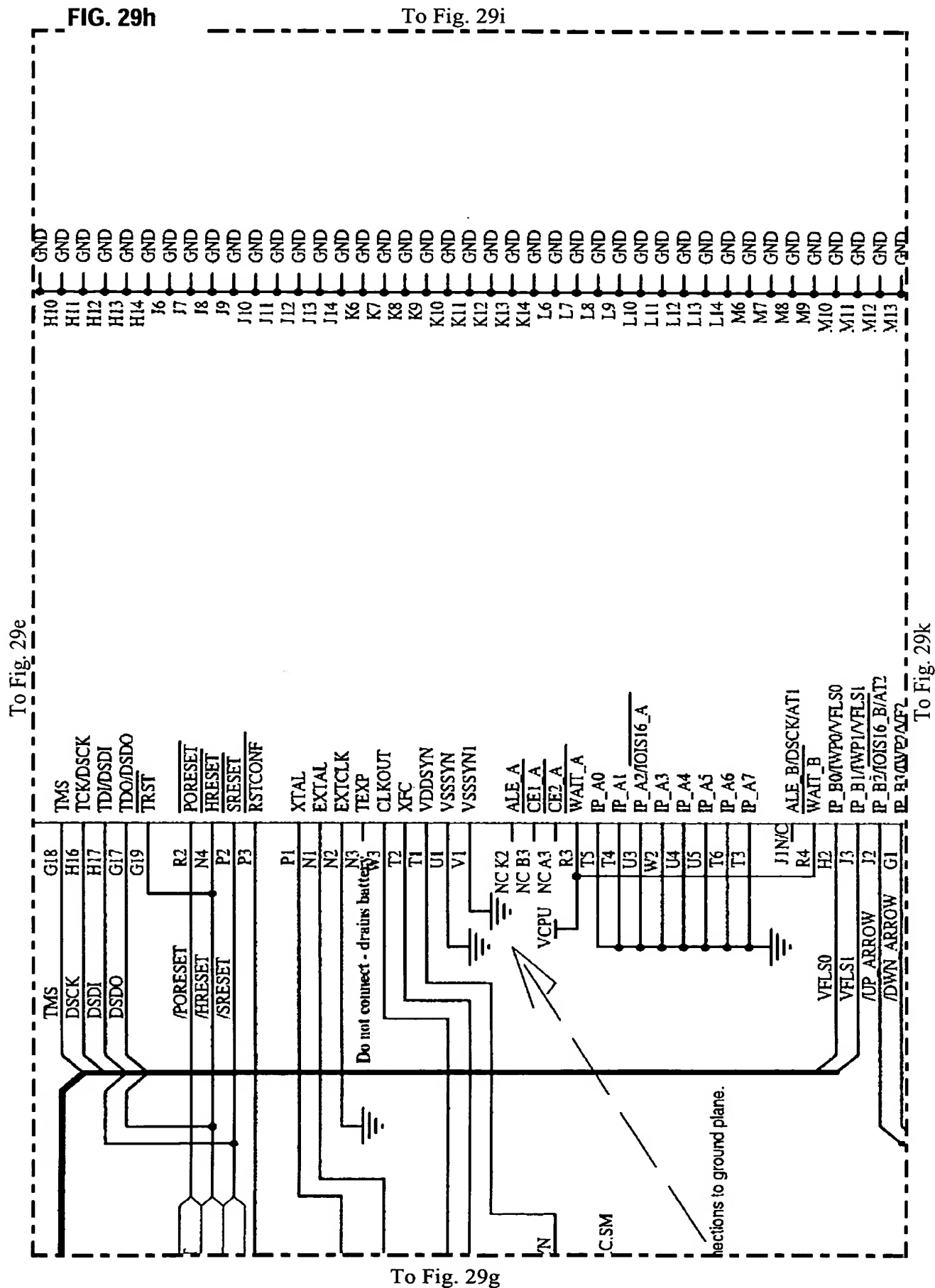
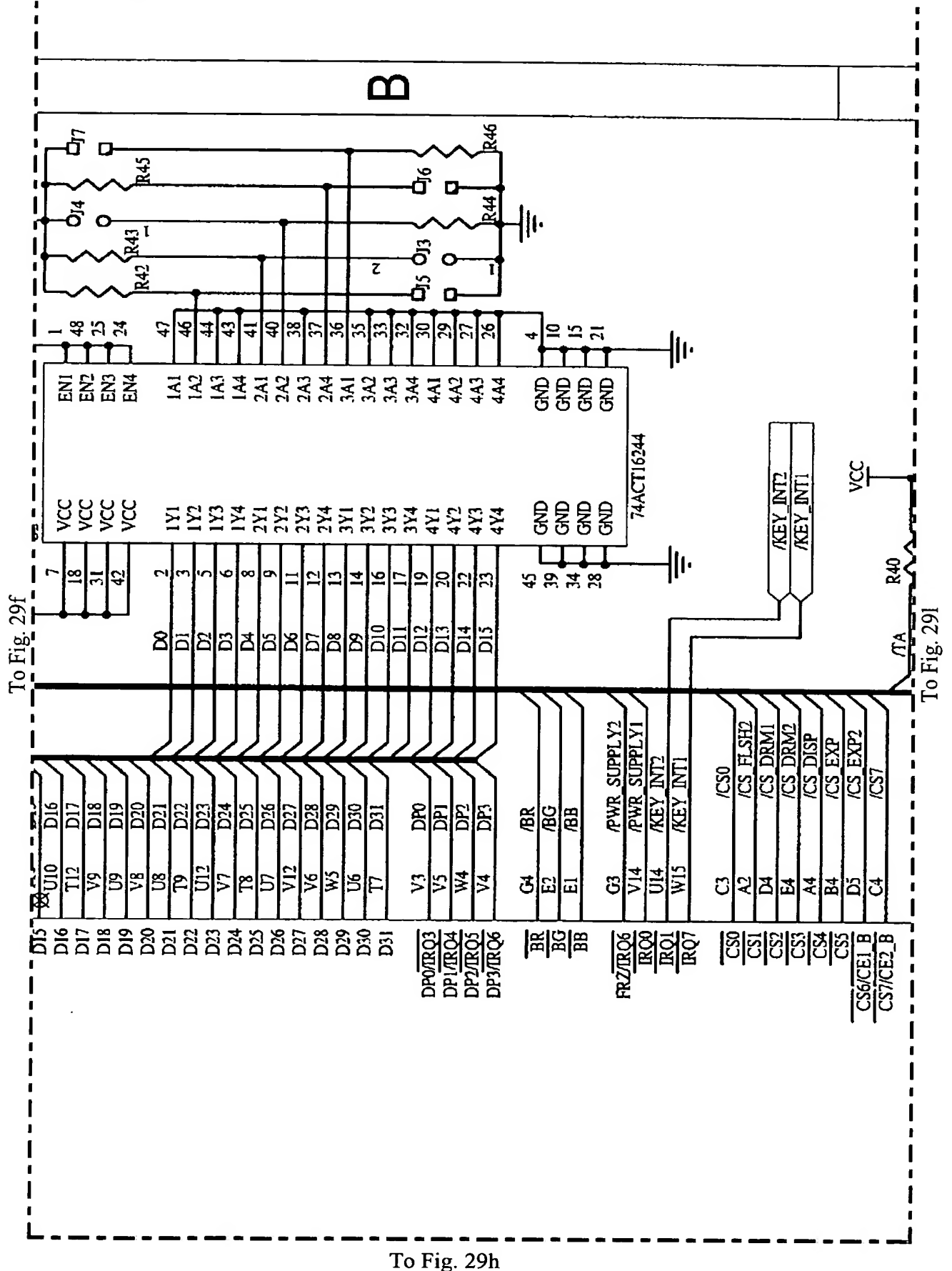
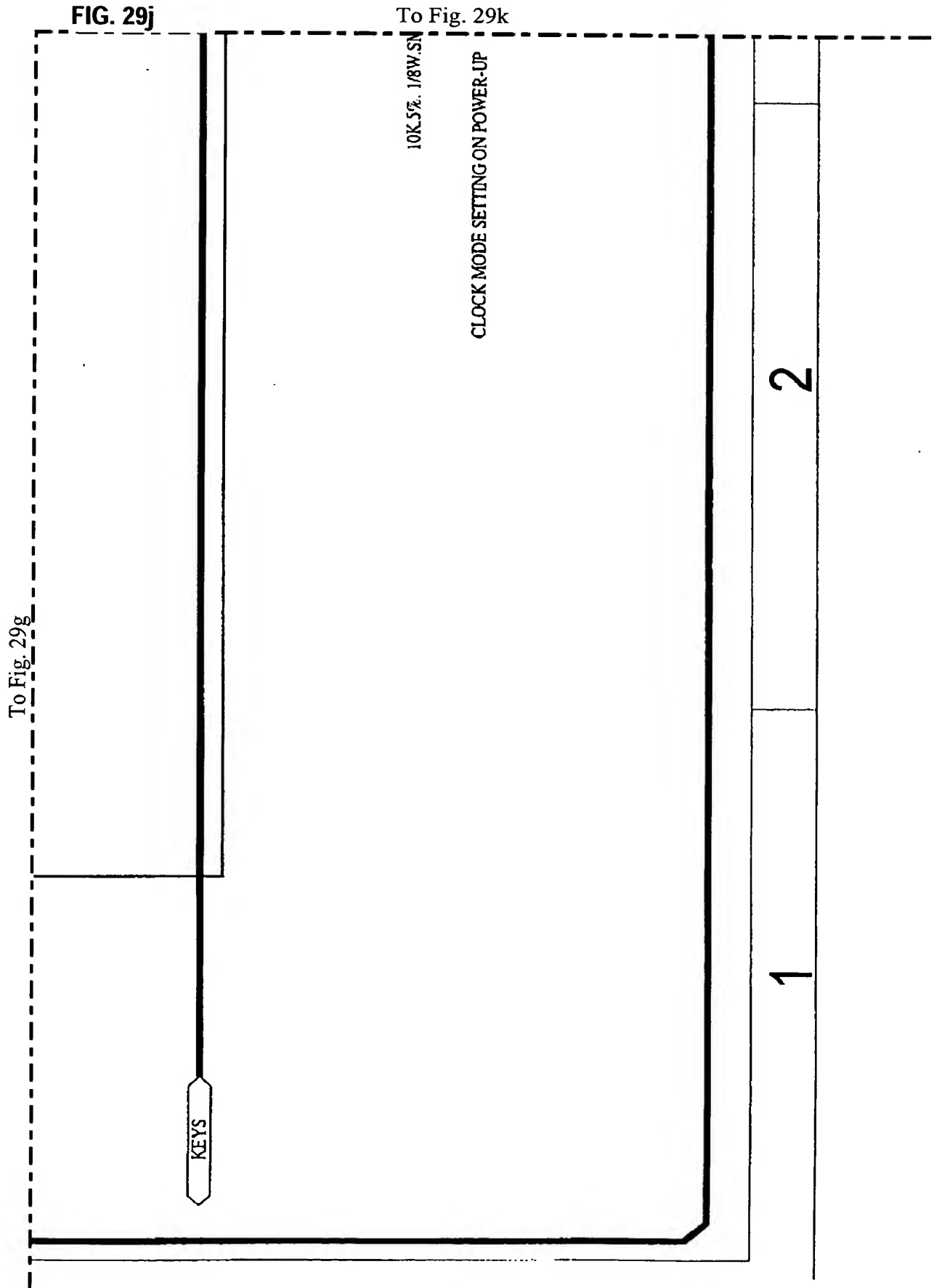


FIG. 29i





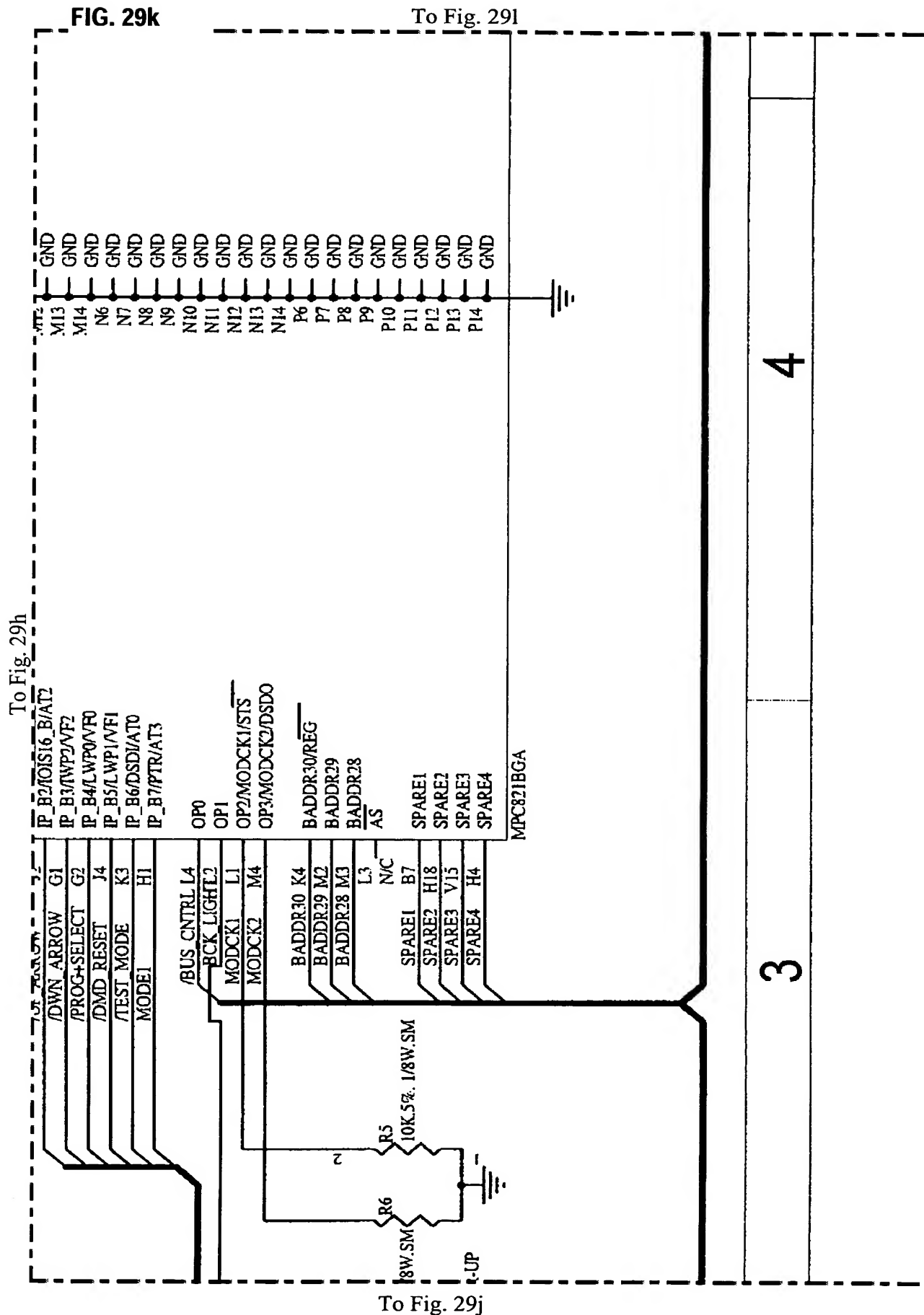
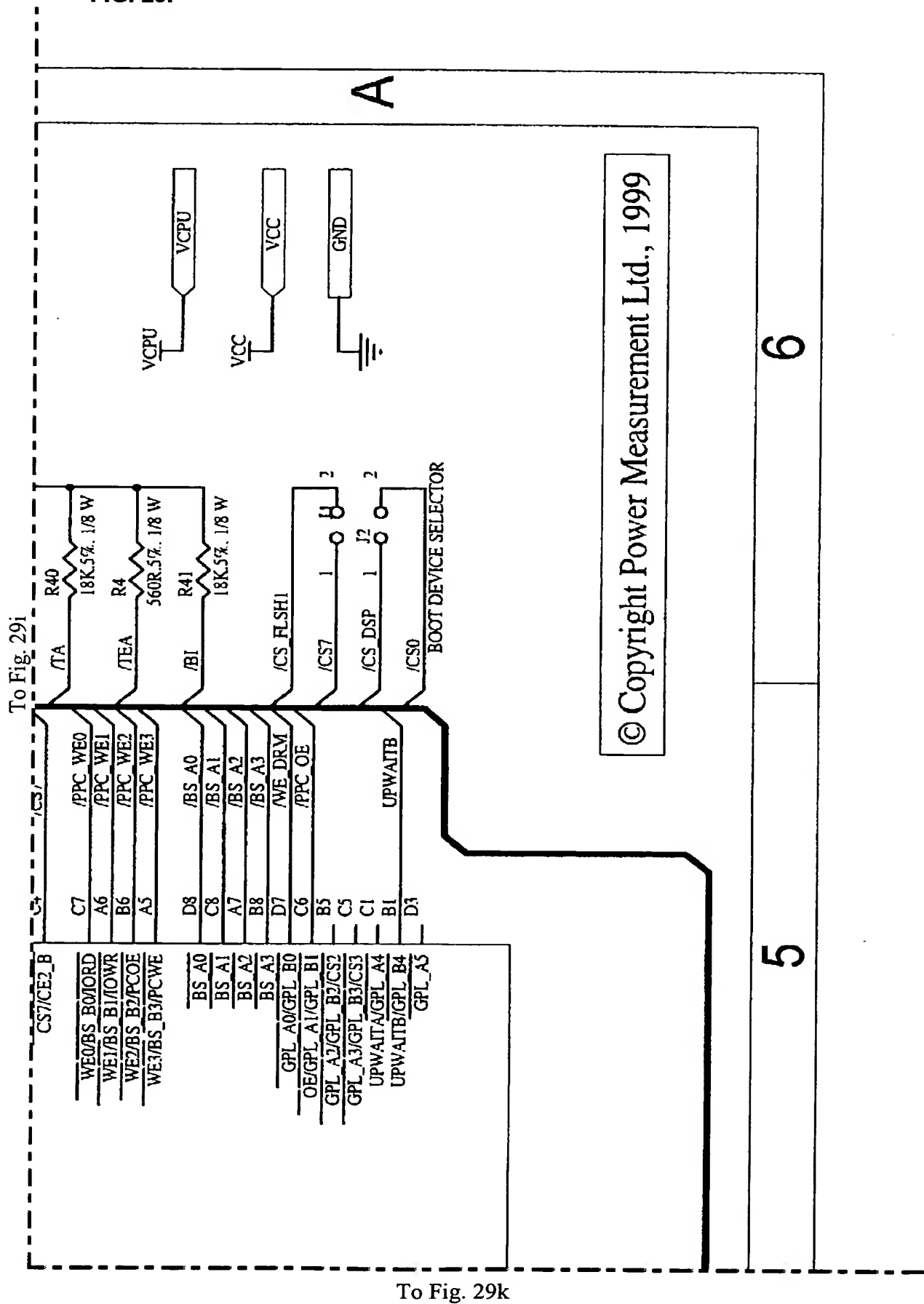
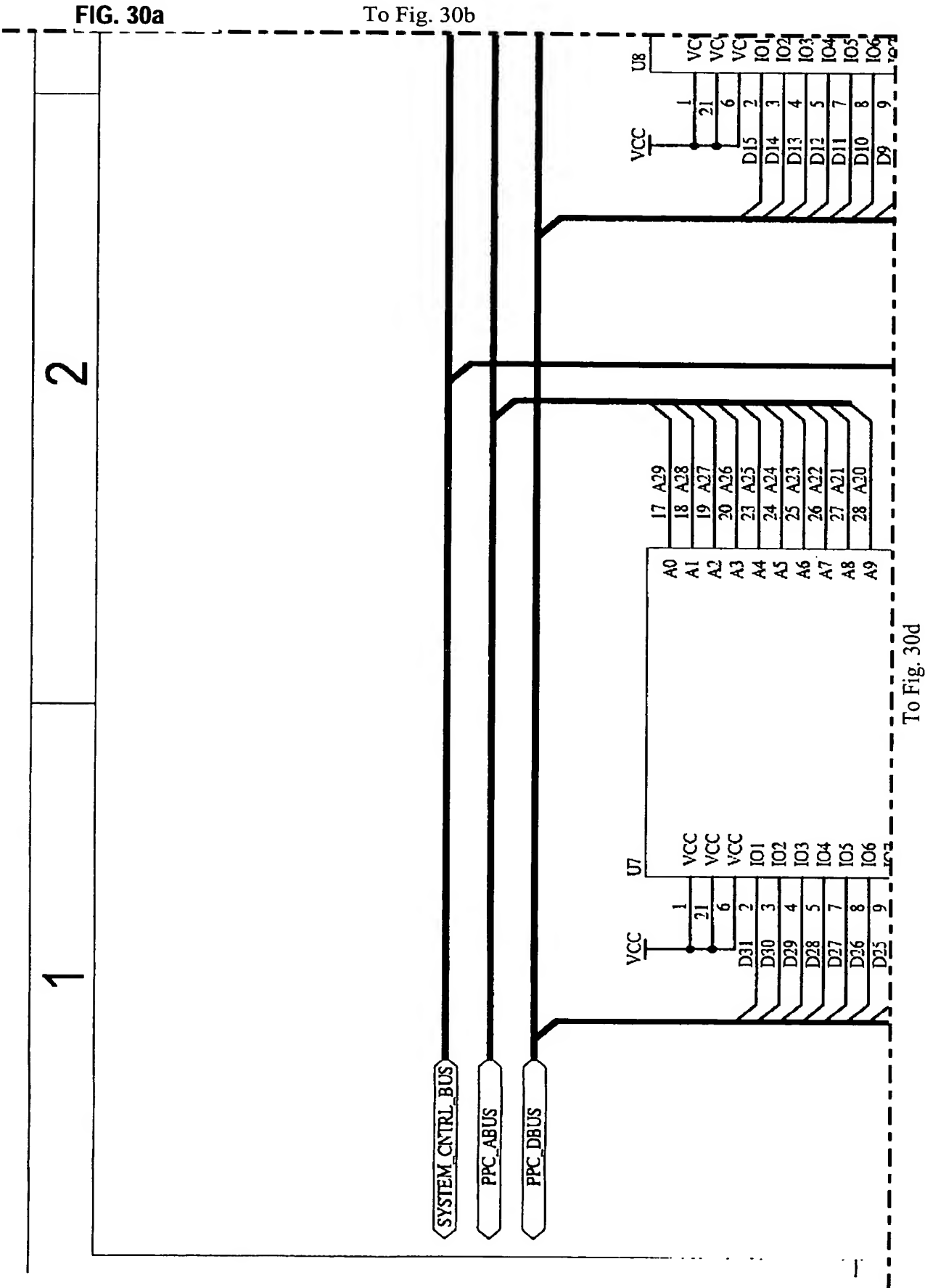


FIG. 29I





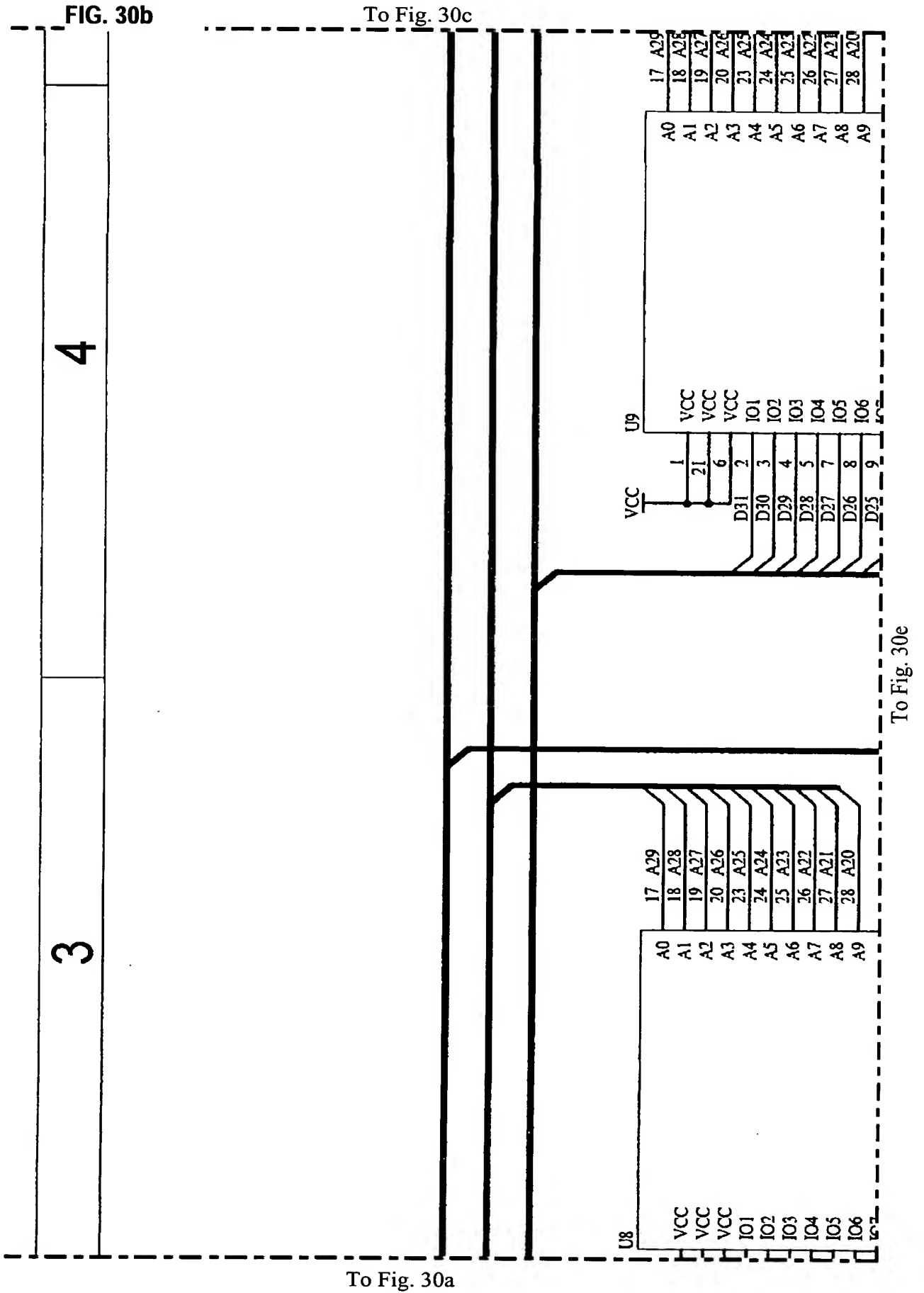
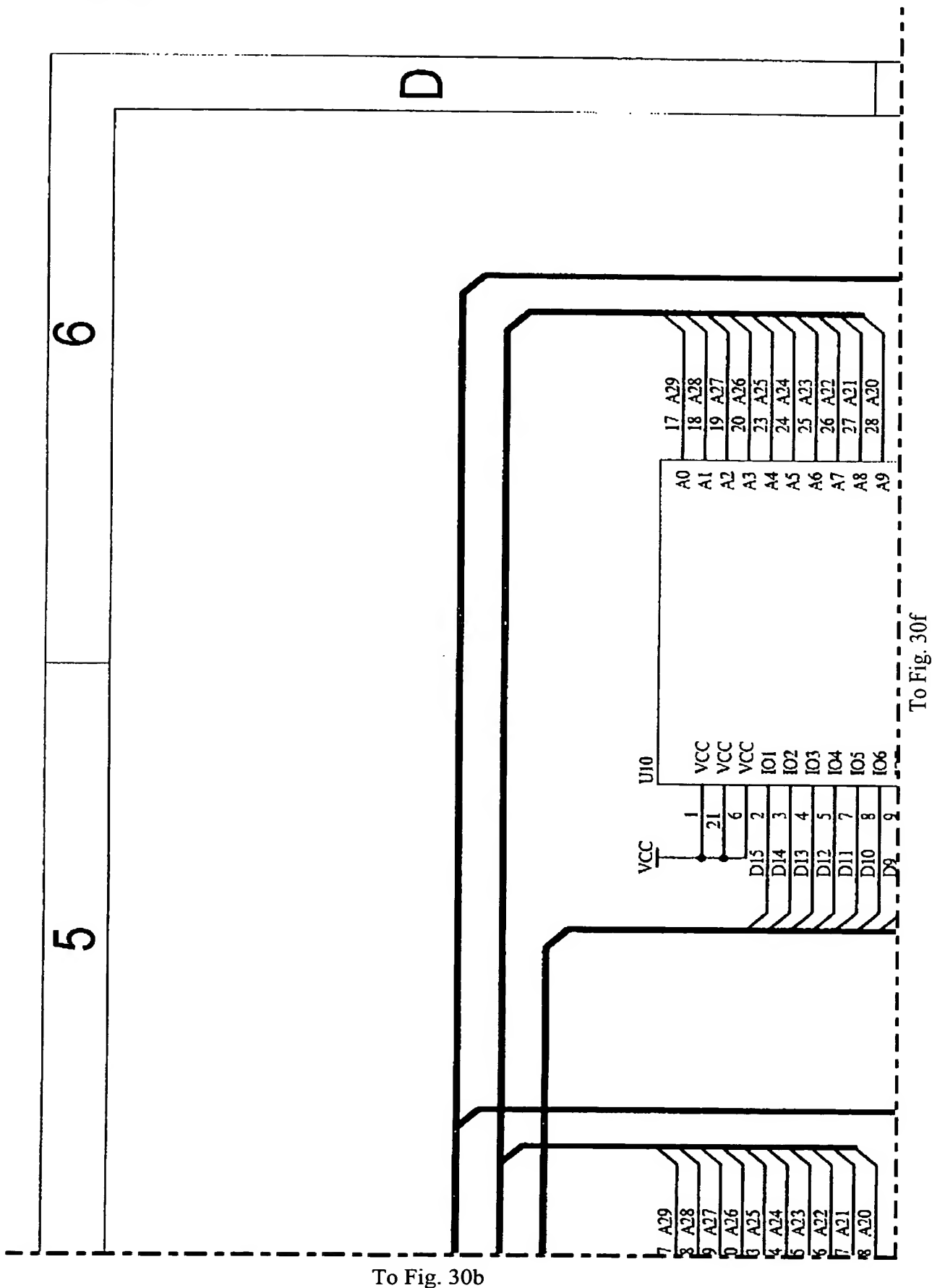
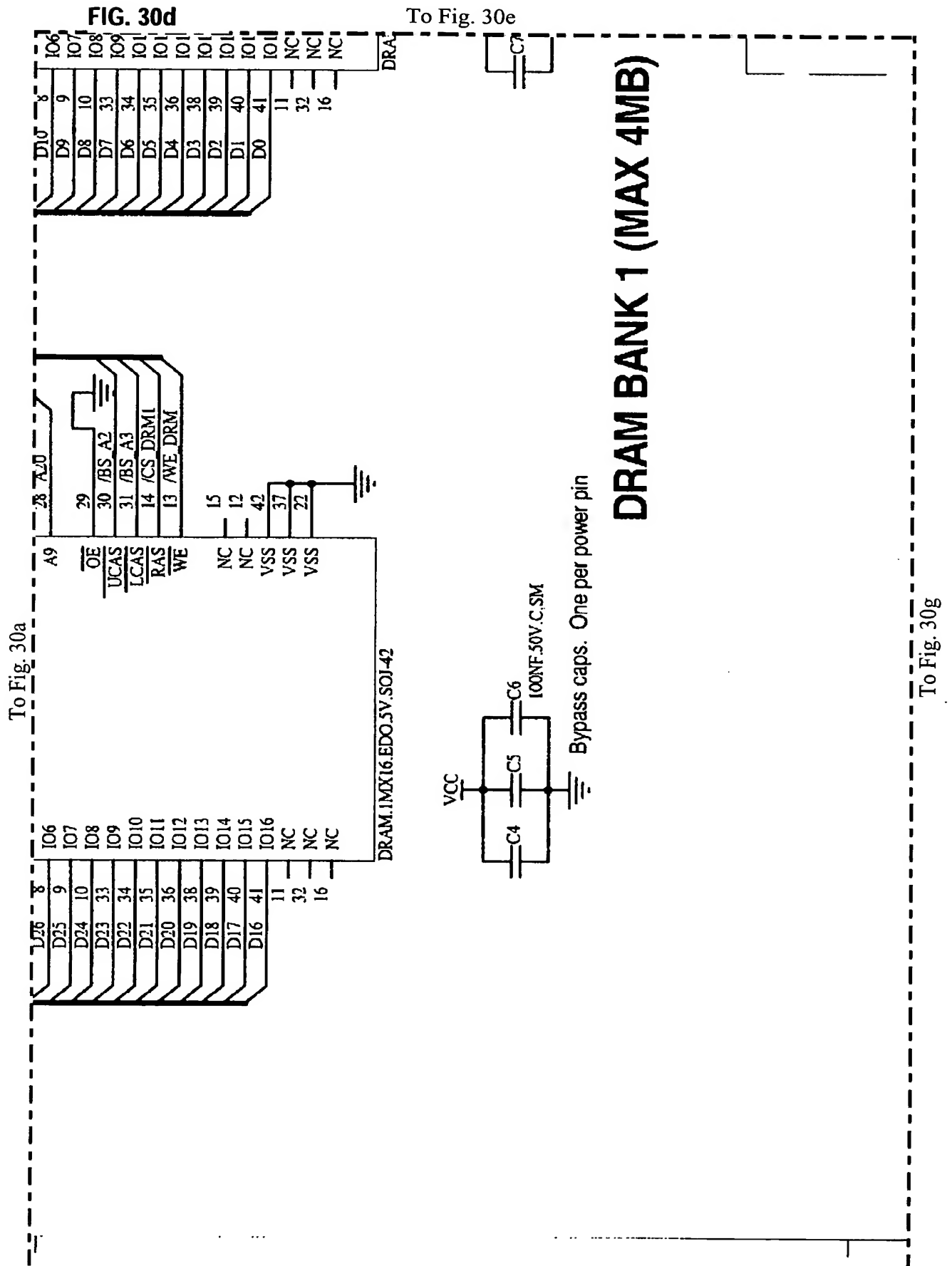


FIG. 30c





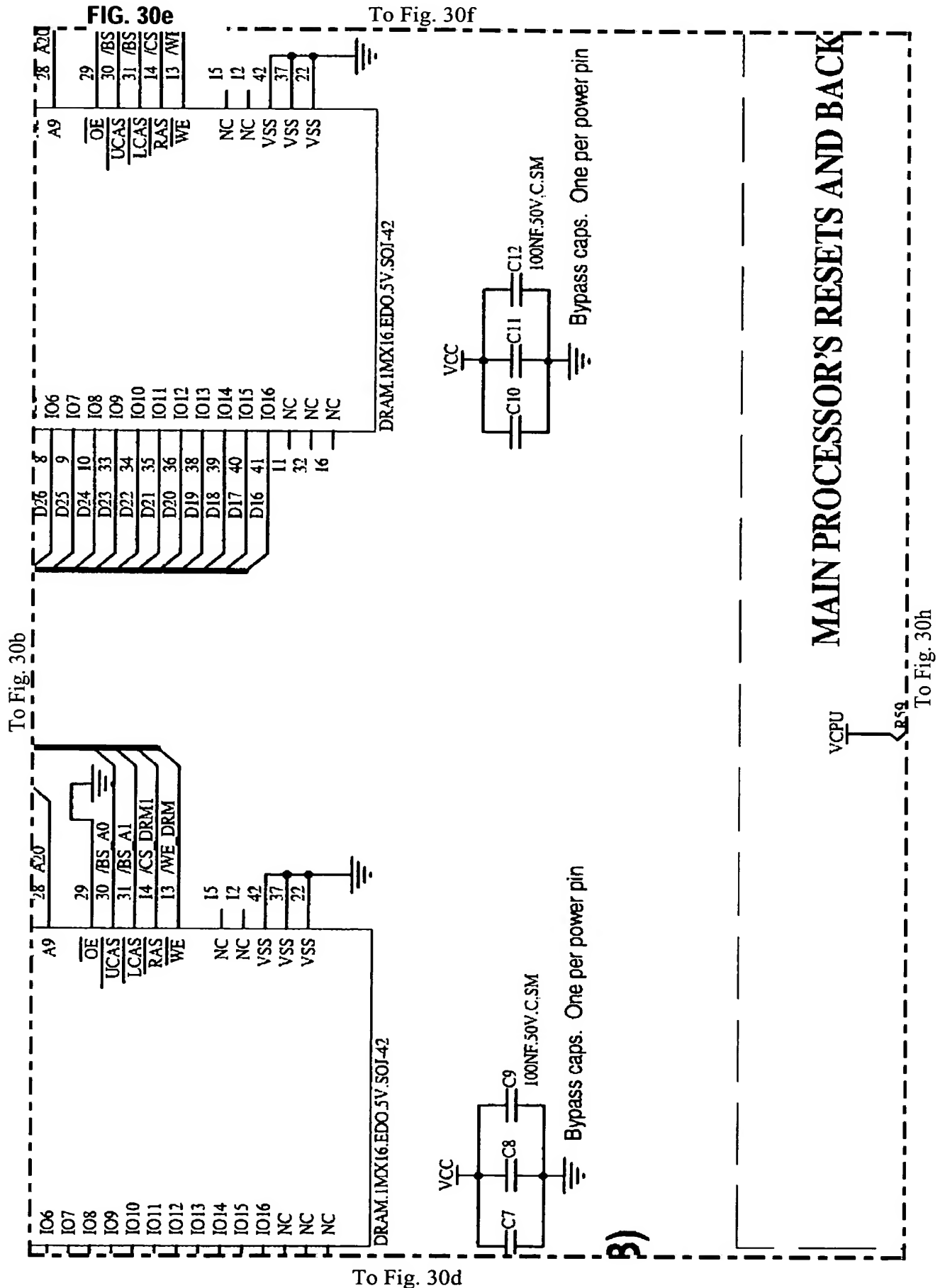
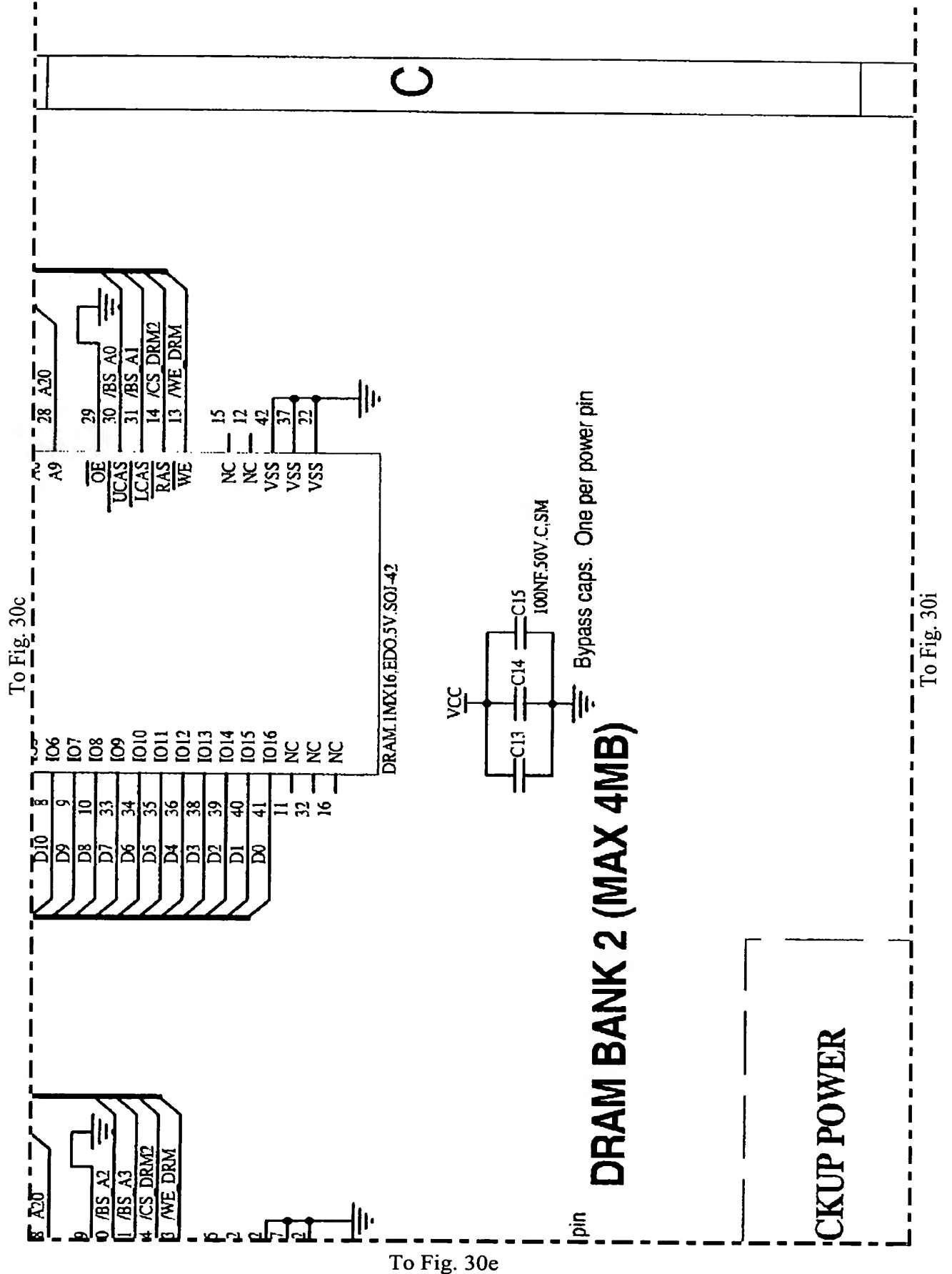
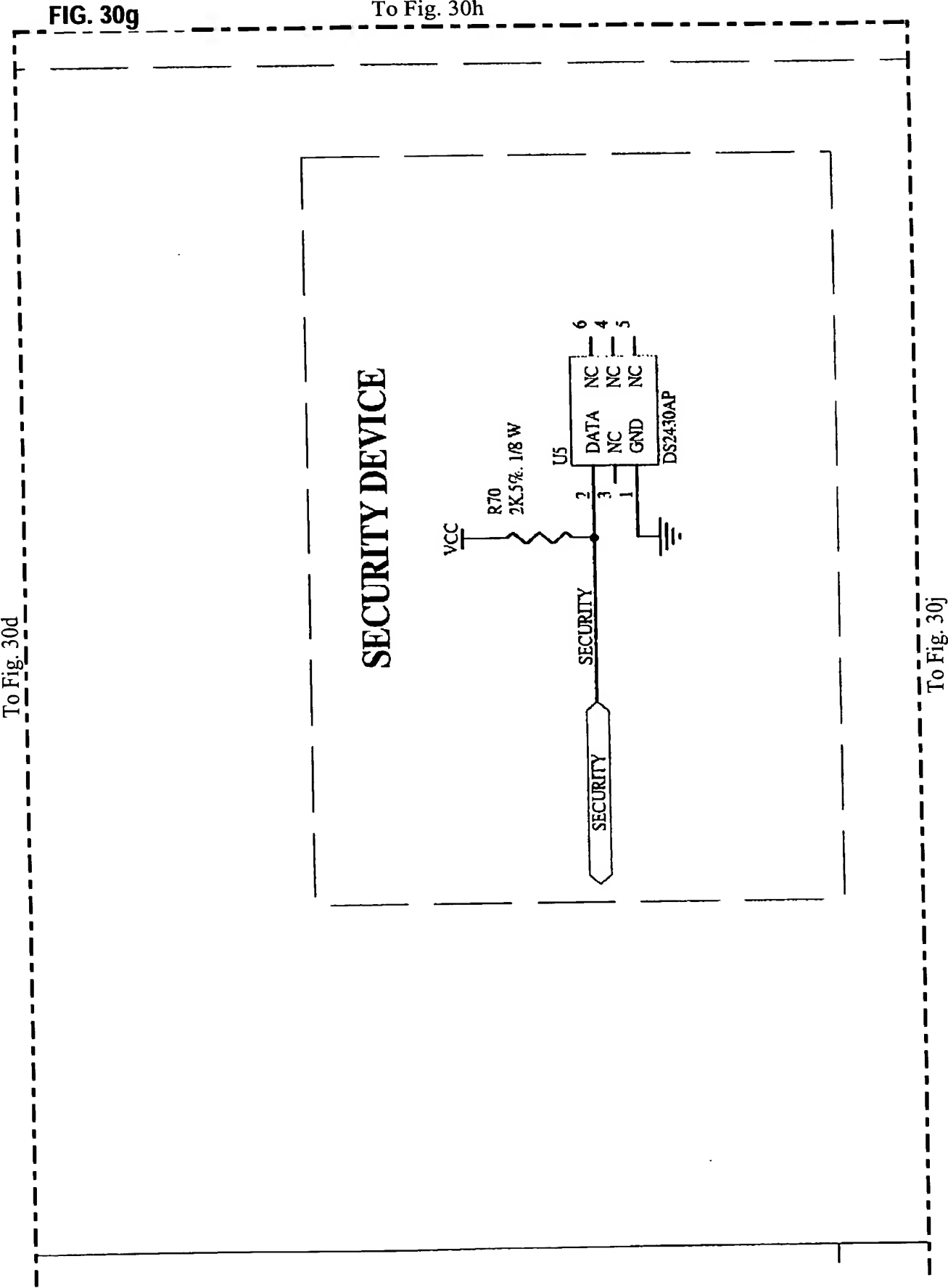


FIG. 30f





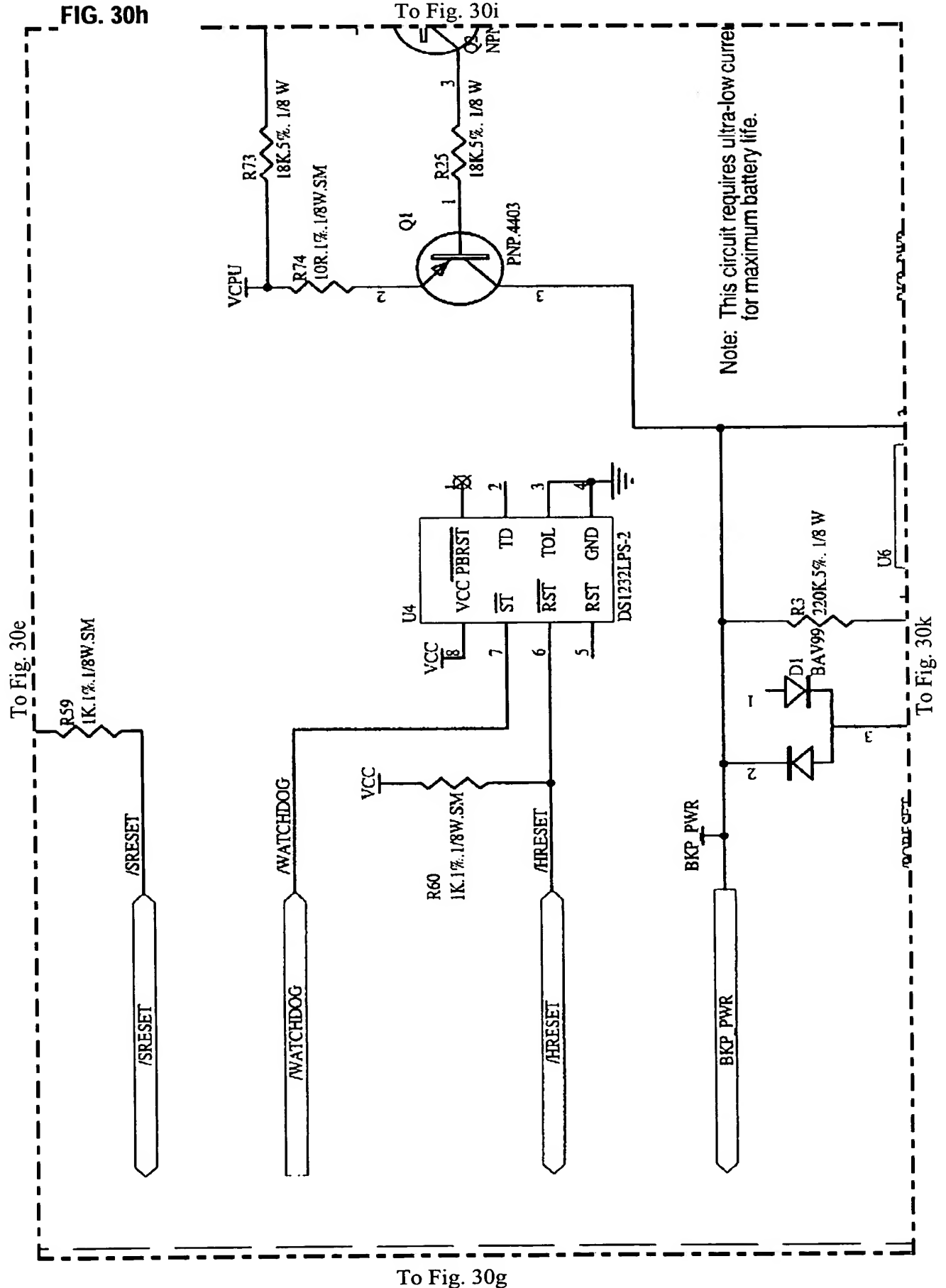
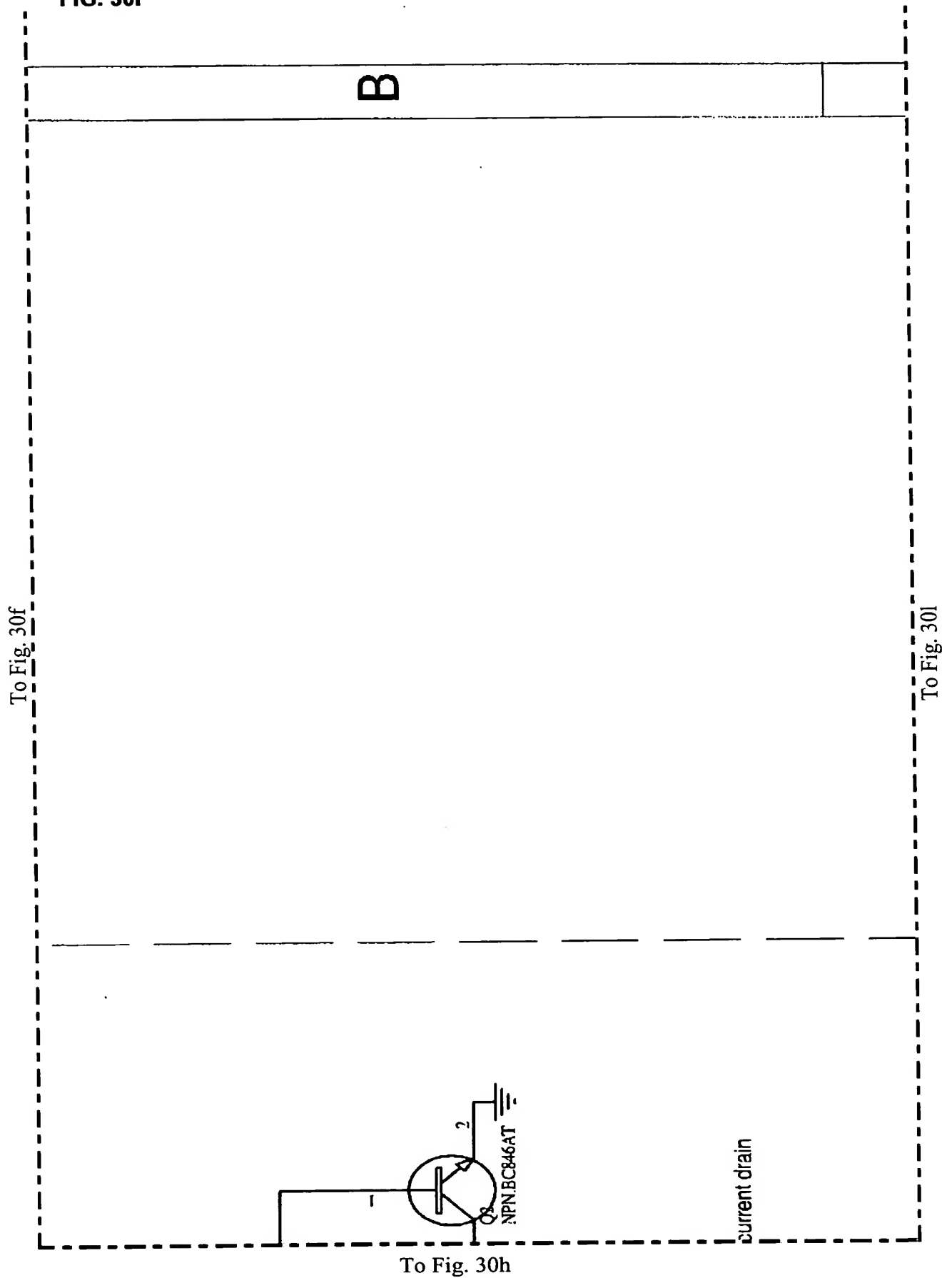
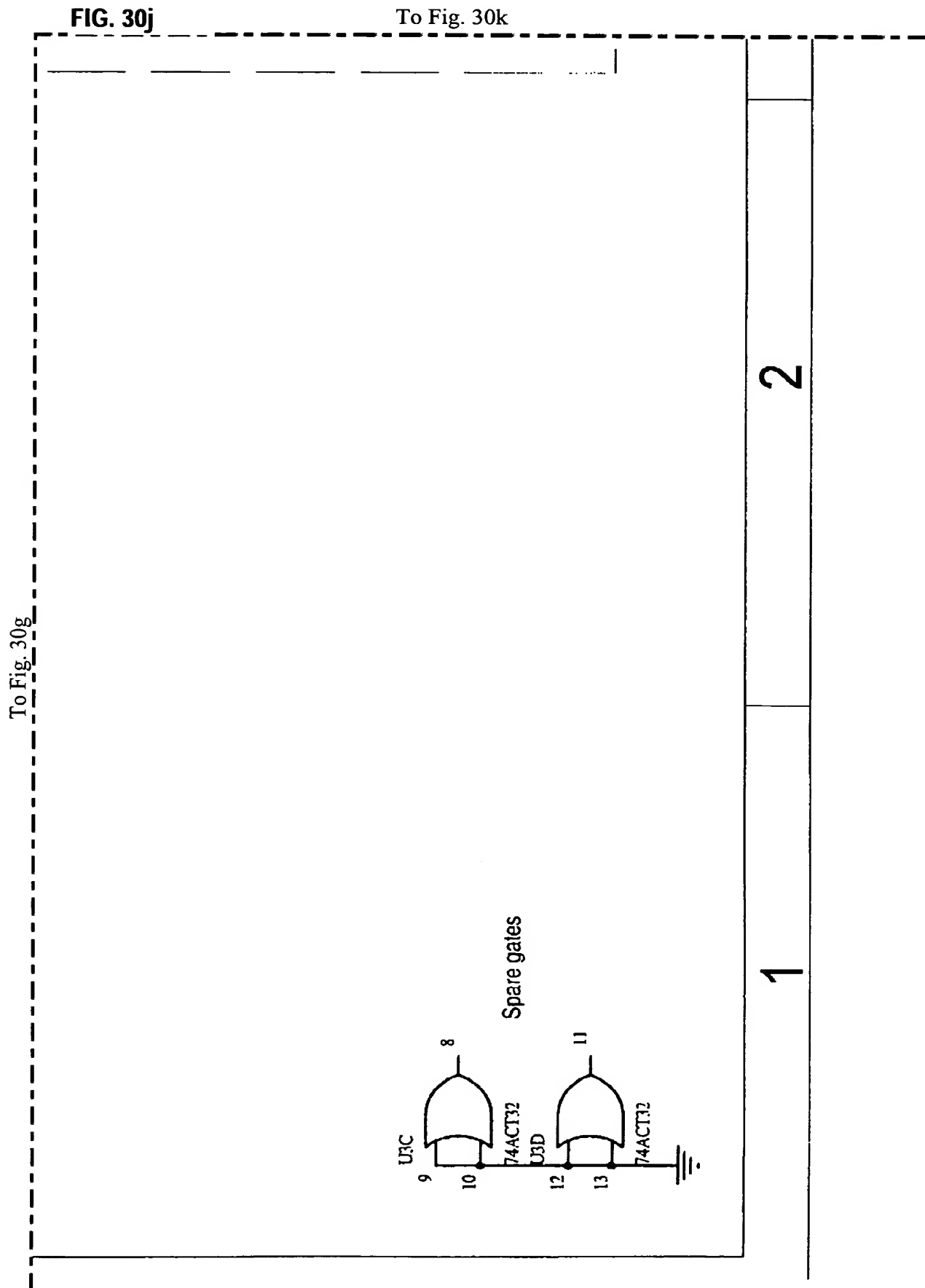


FIG. 30i





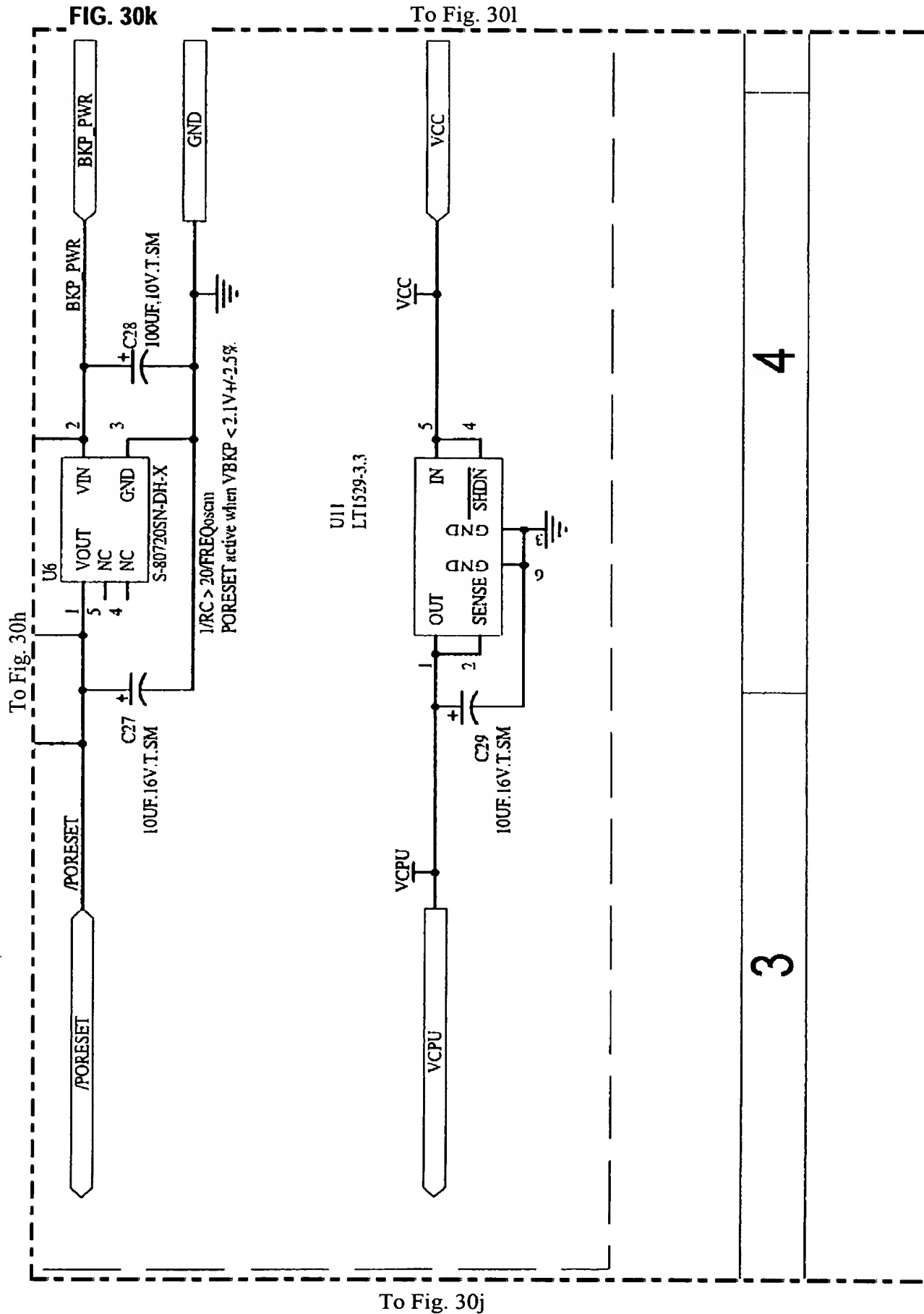


FIG. 30I

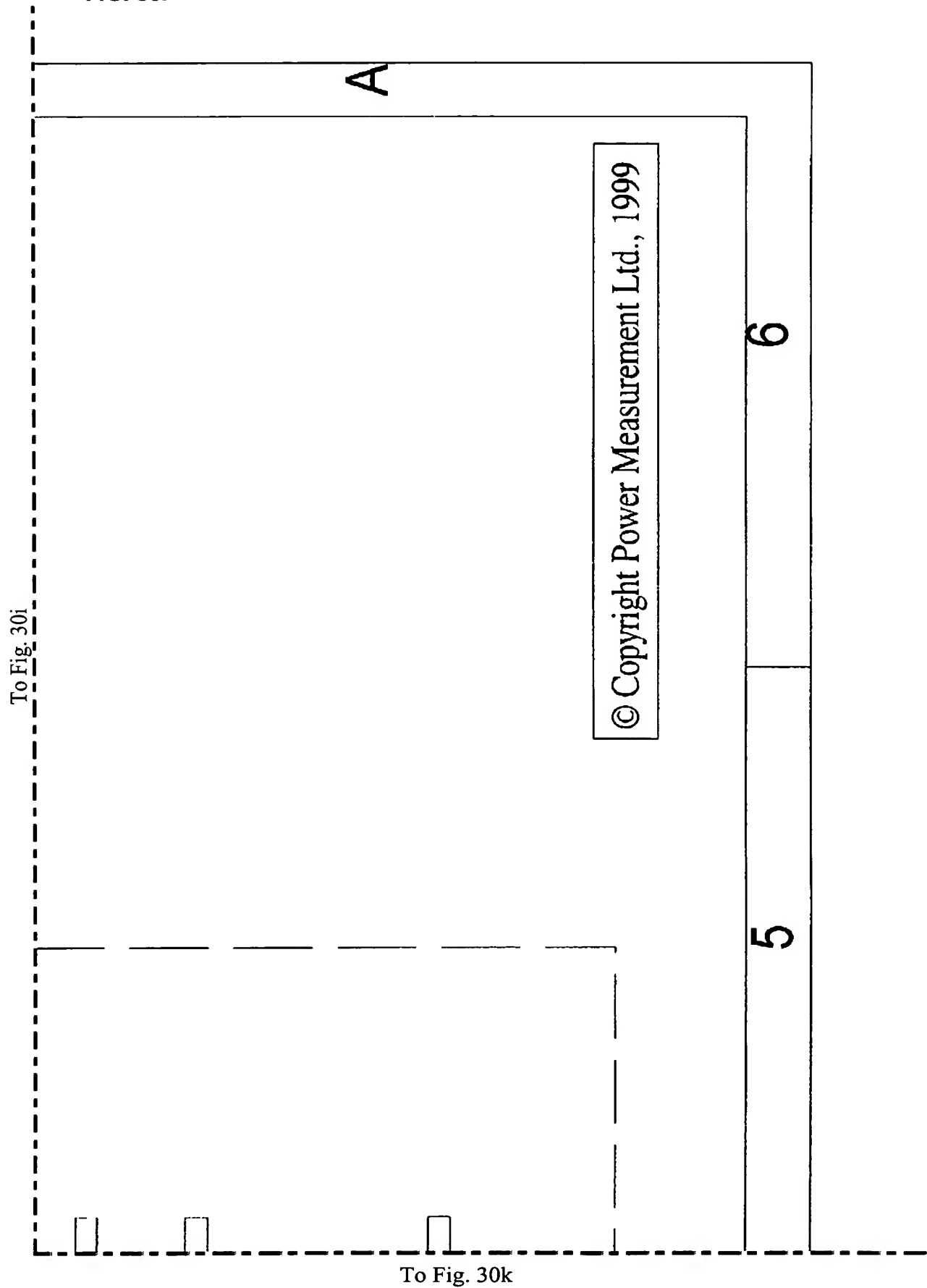


FIG. 31a

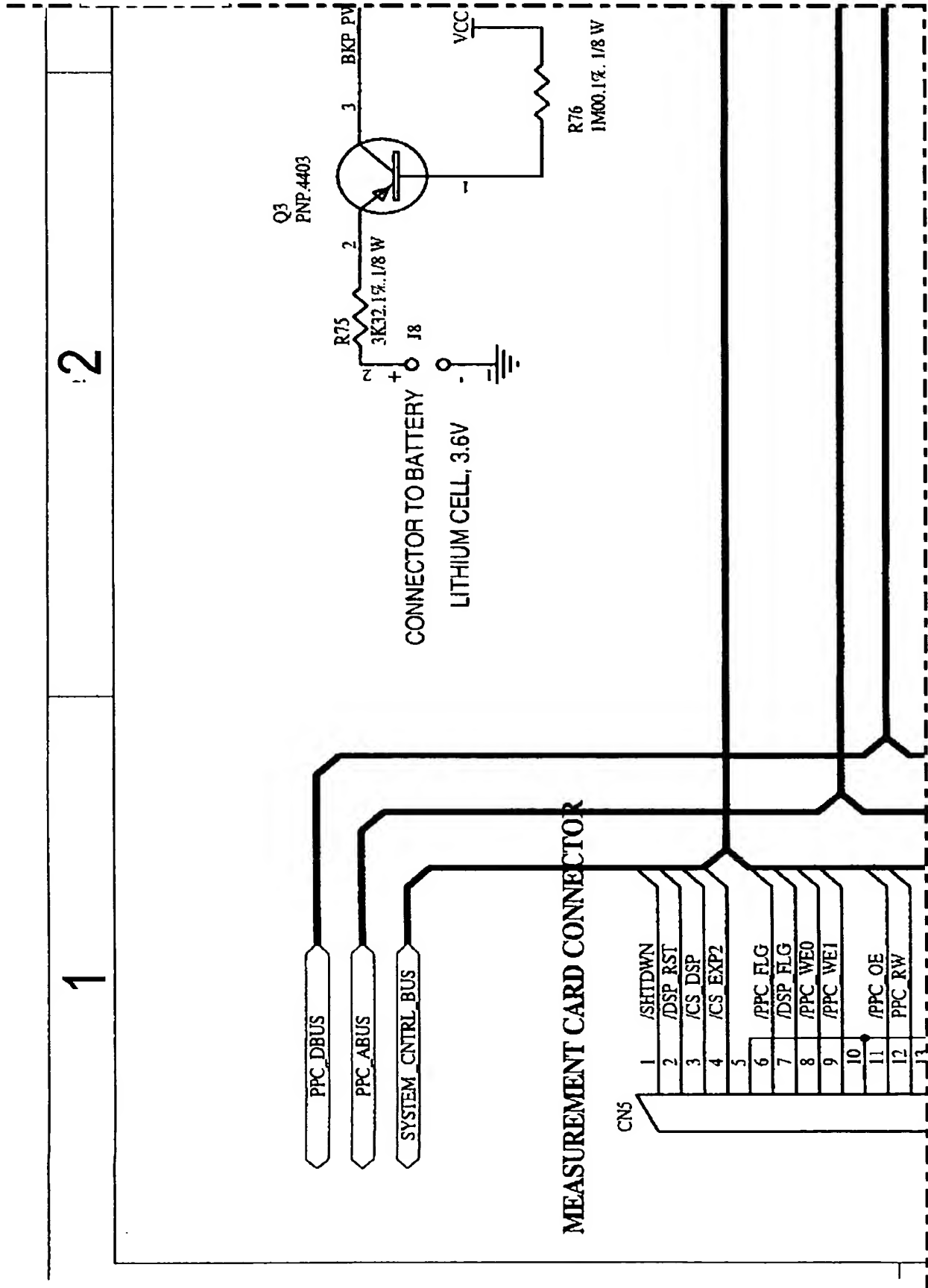


FIG. 31b

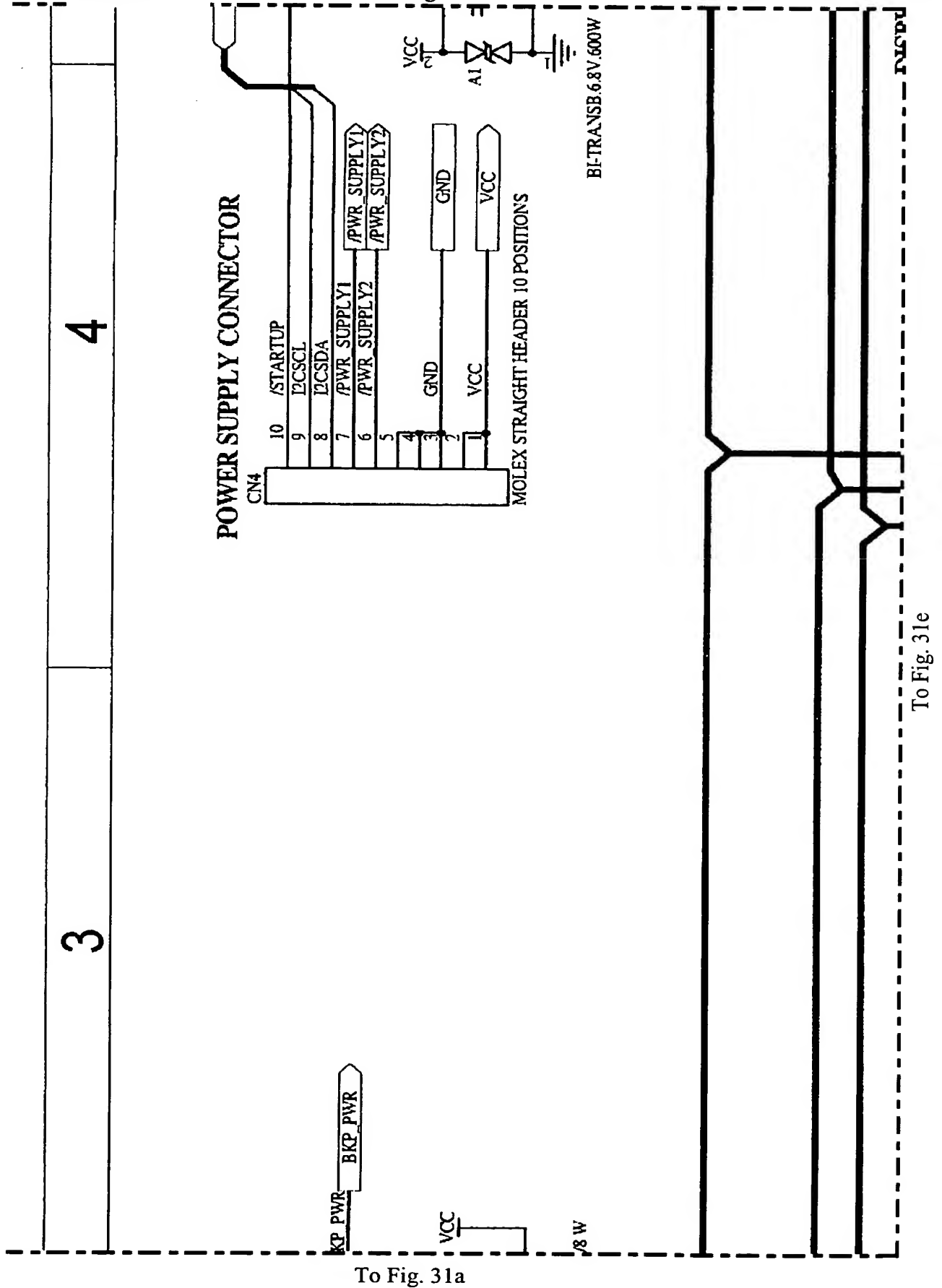
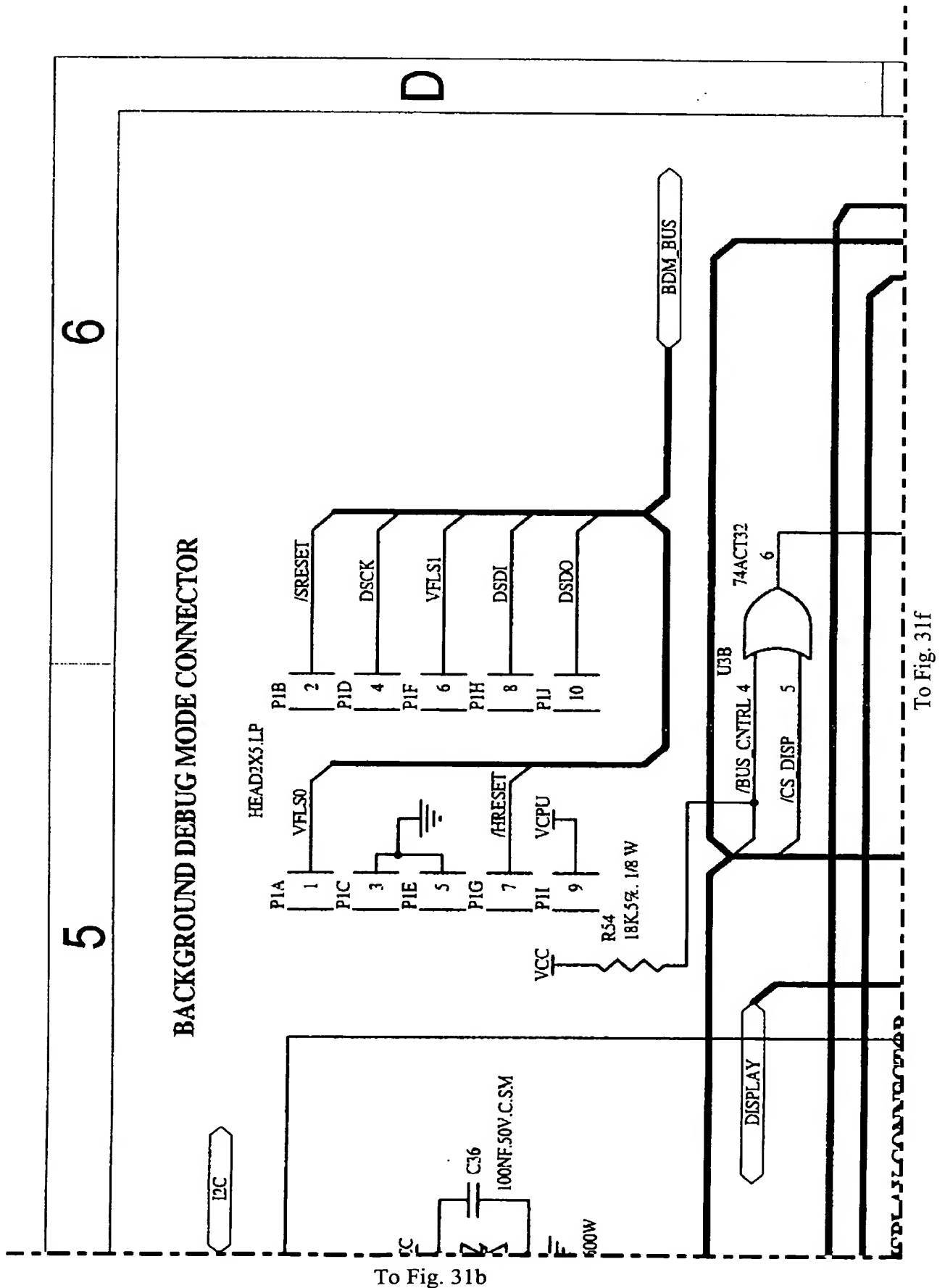
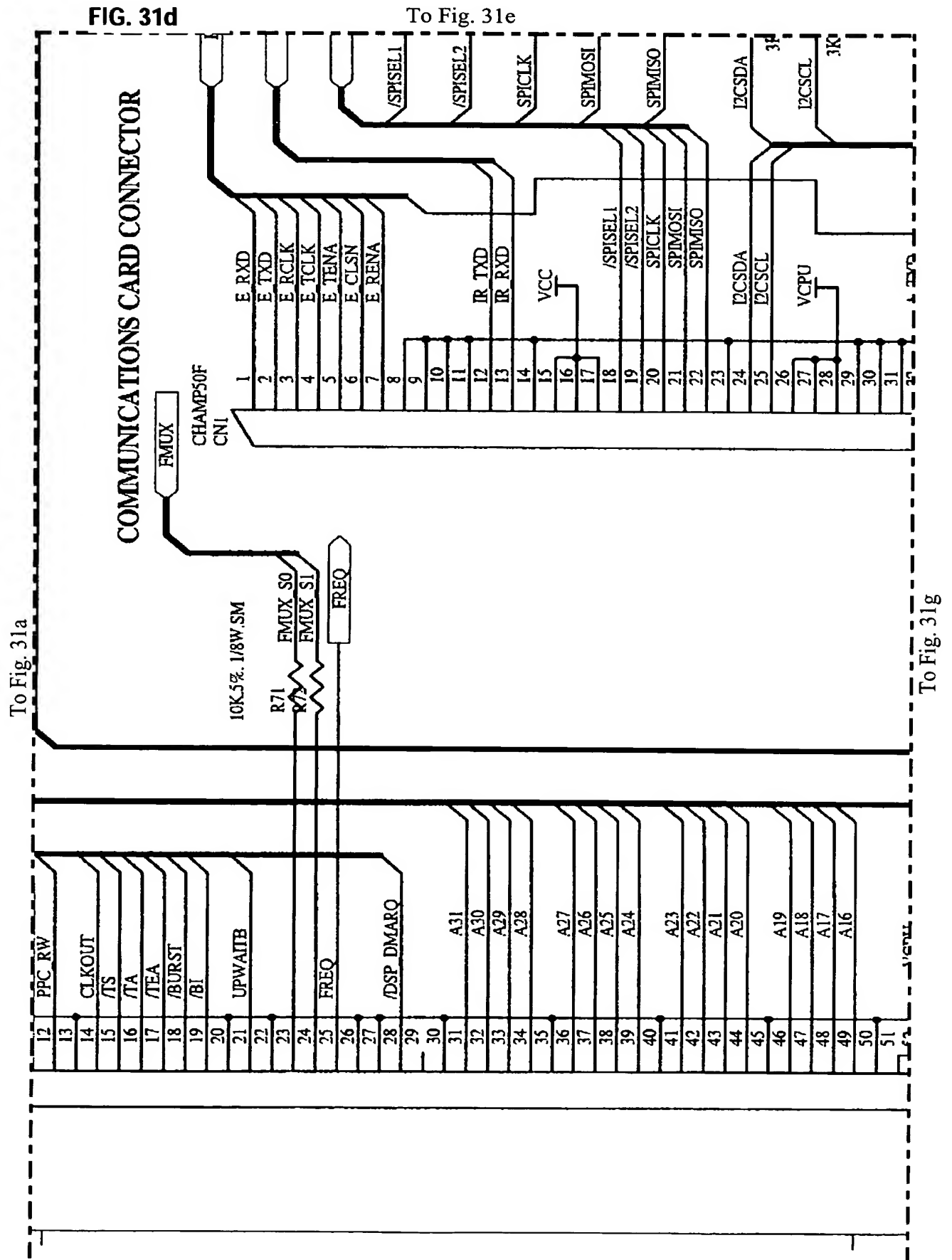


FIG. 31c





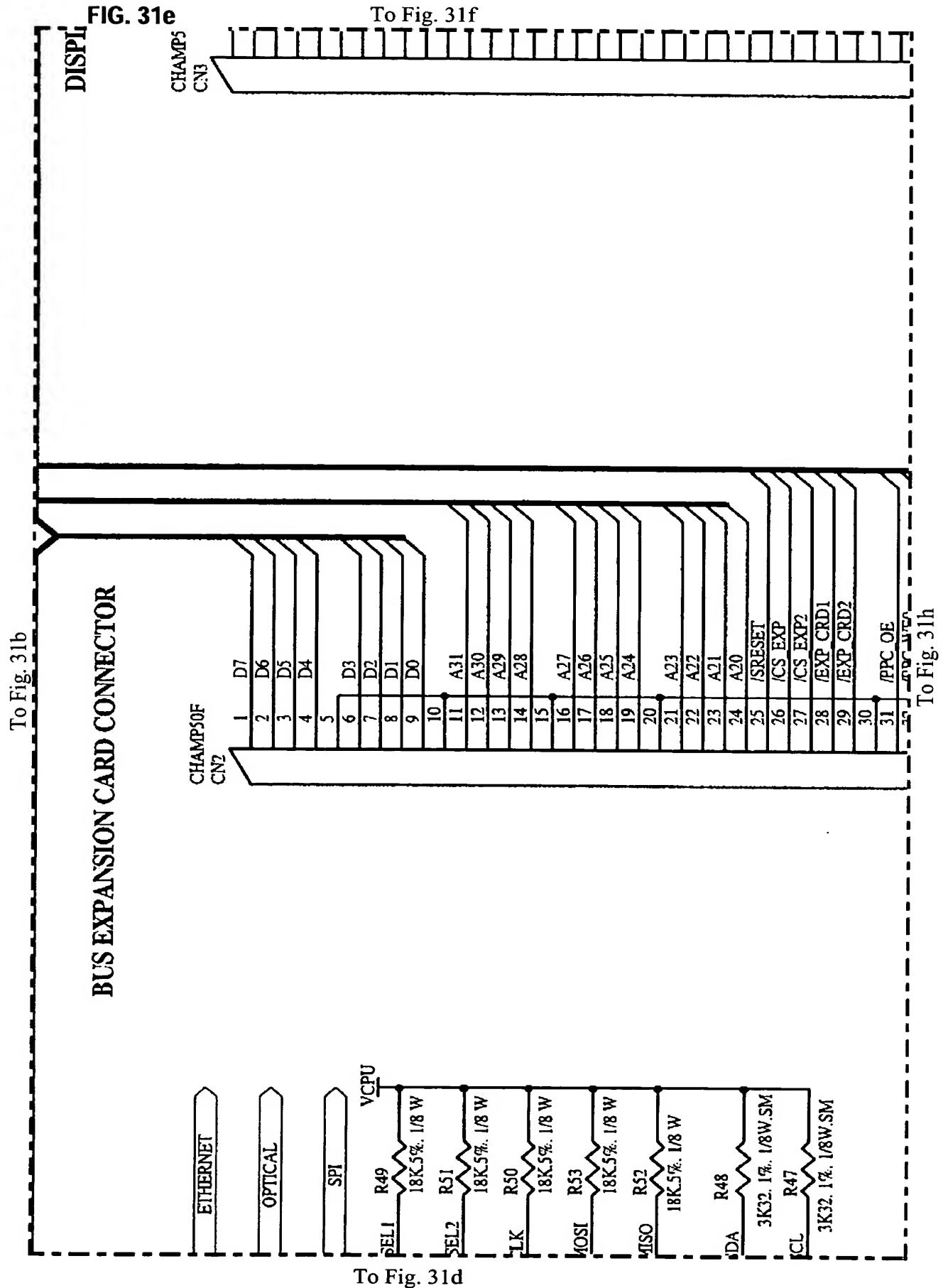
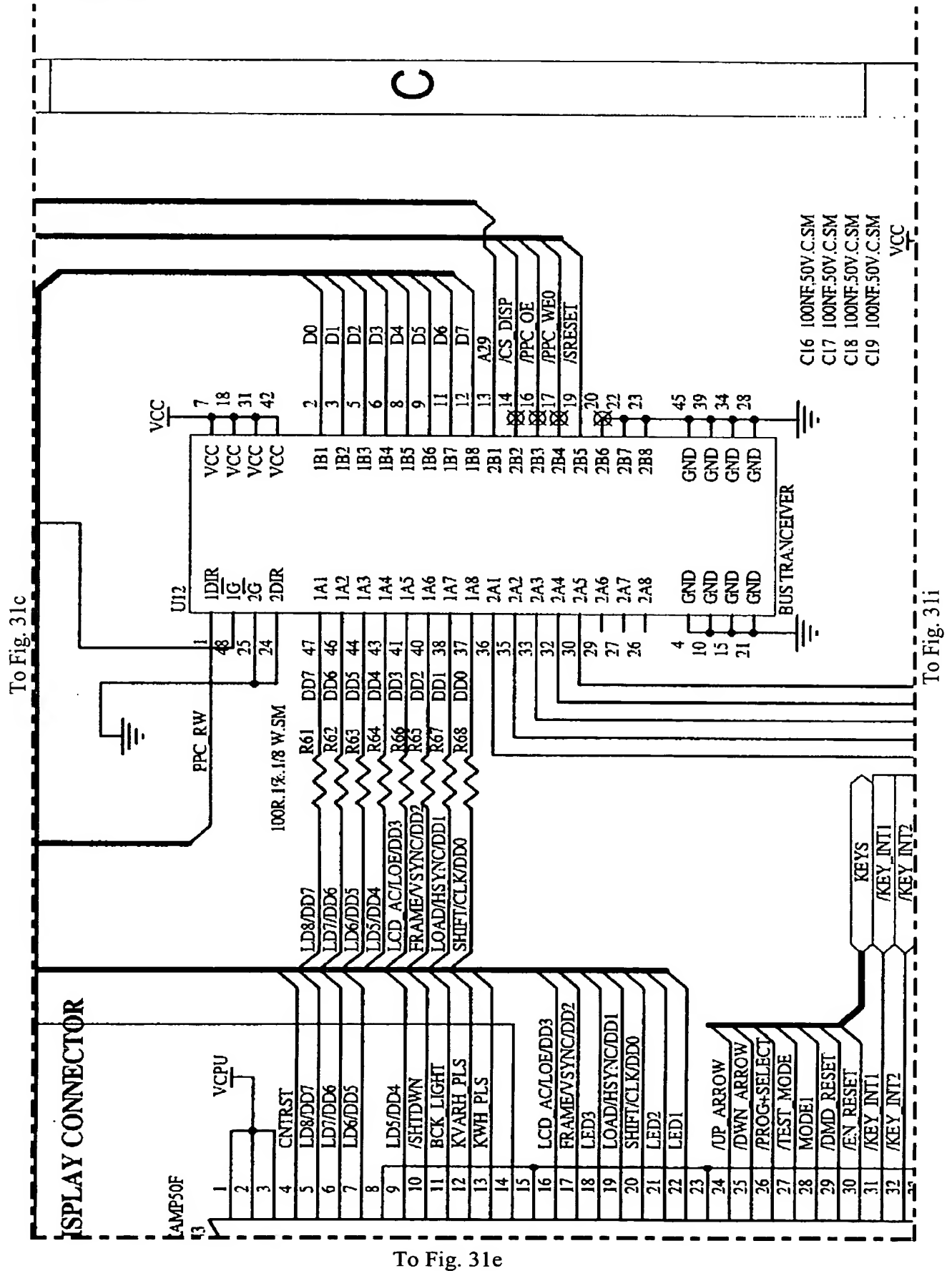
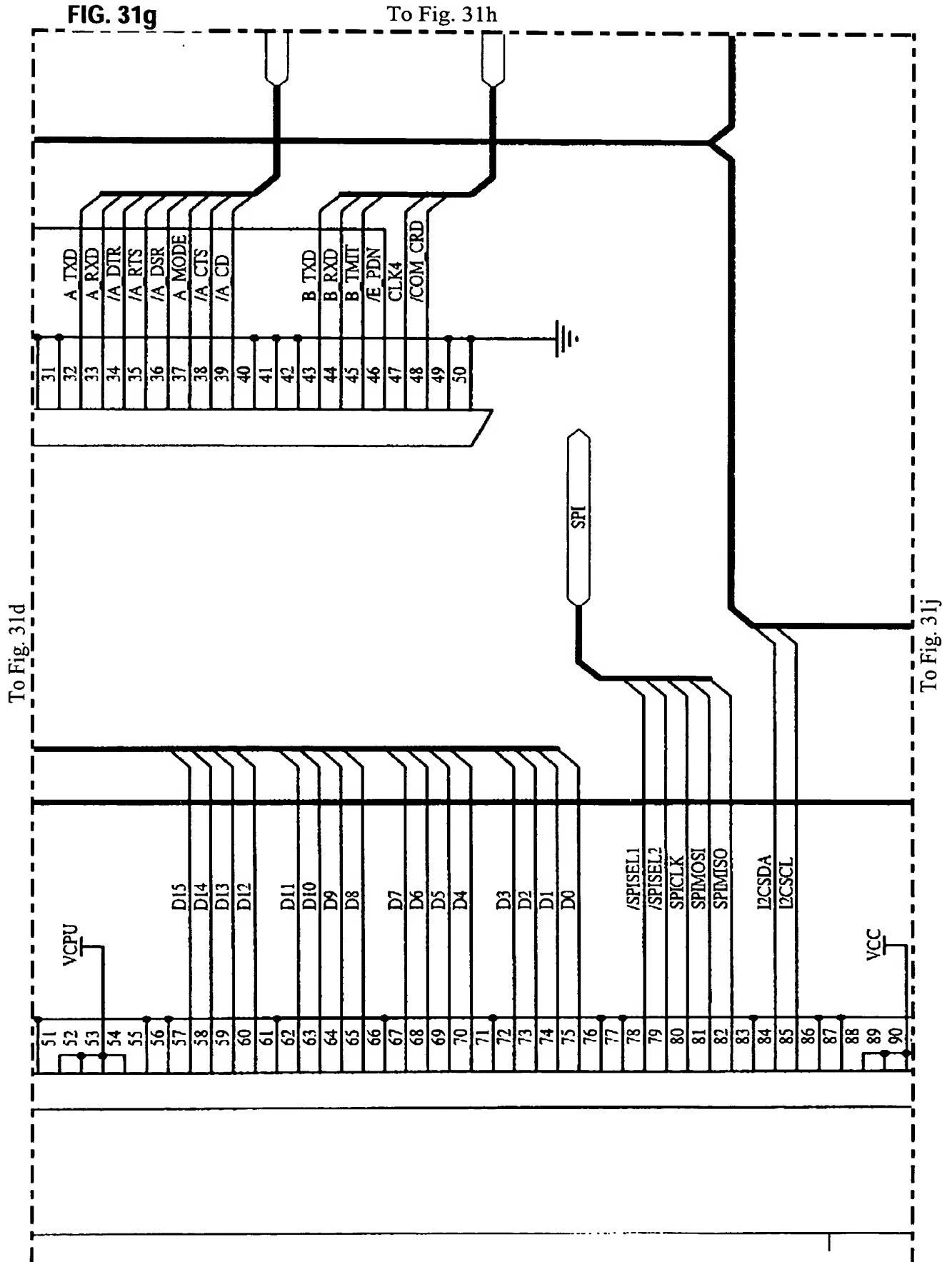


FIG. 31f





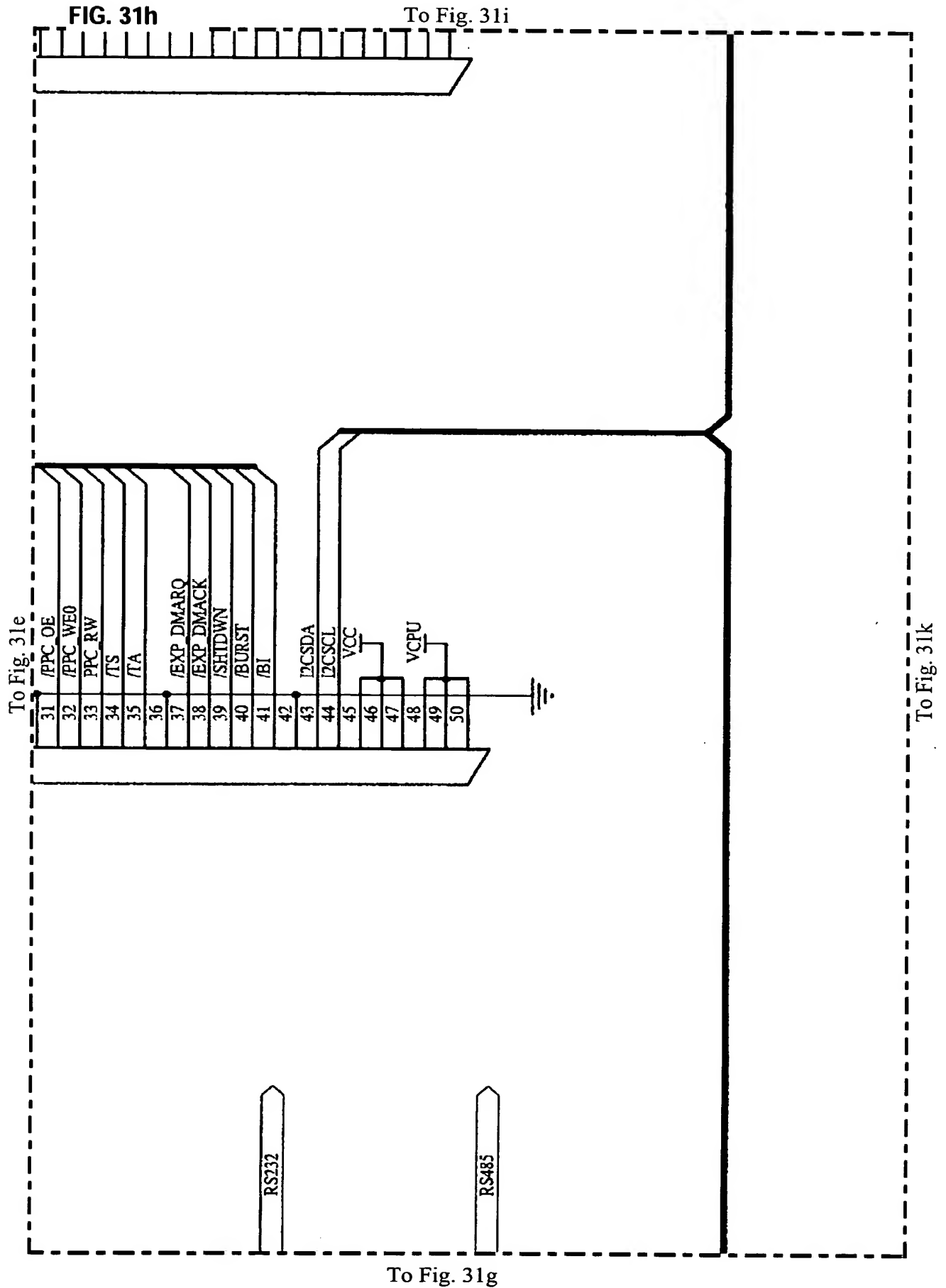


FIG. 31i

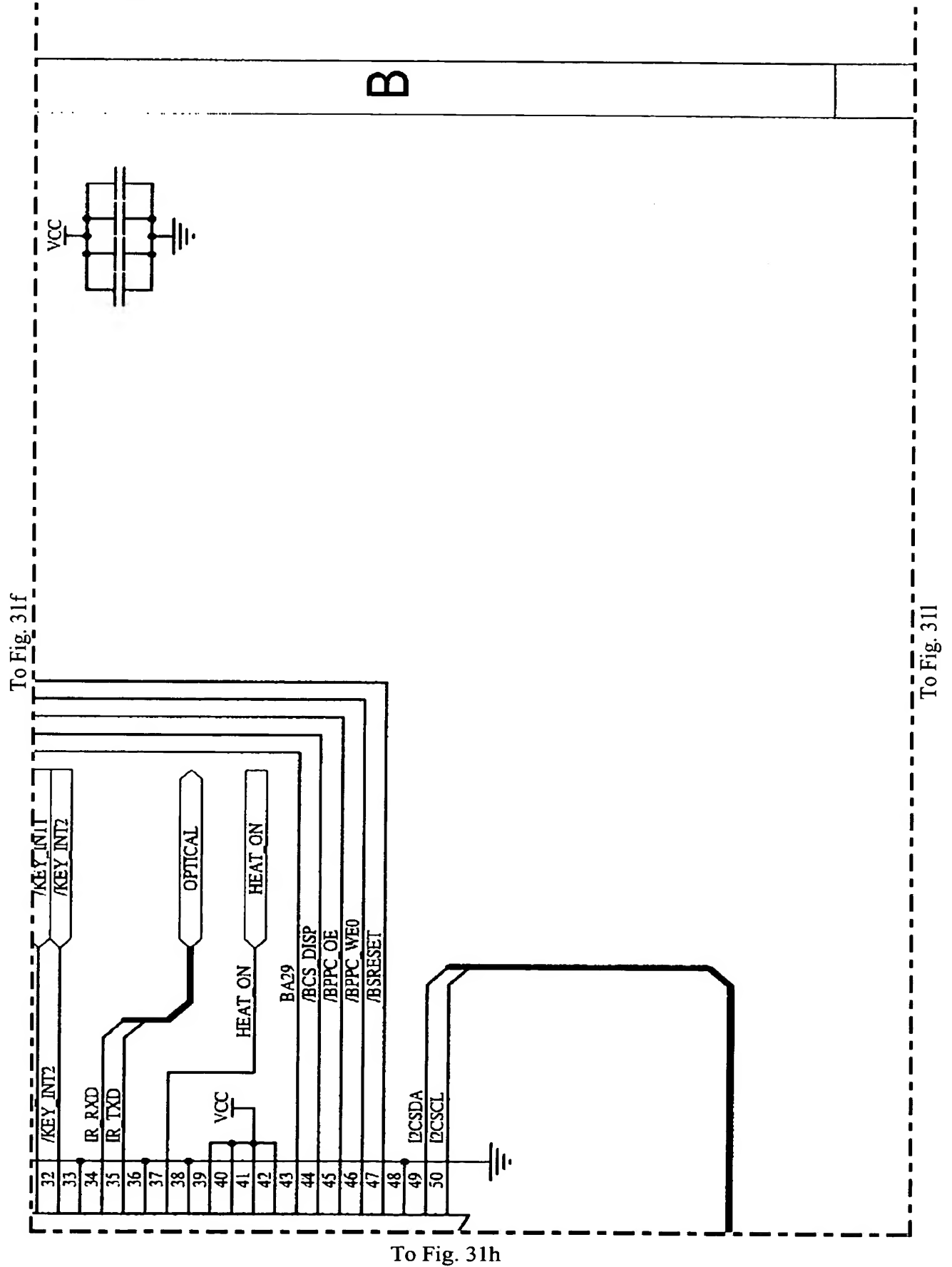
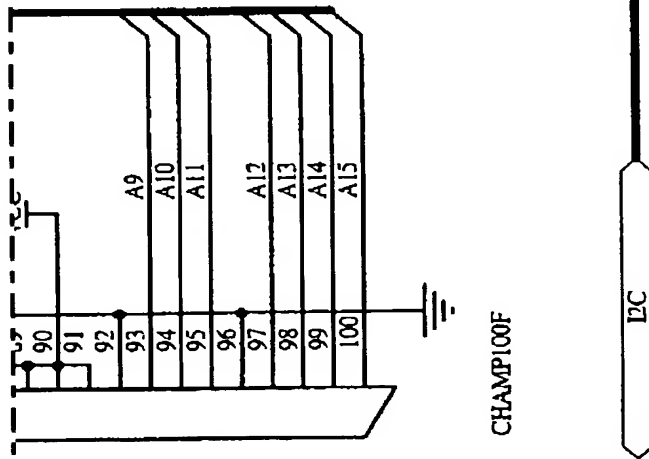


FIG. 31j

To Fig. 31k

To Fig. 31g



2

1

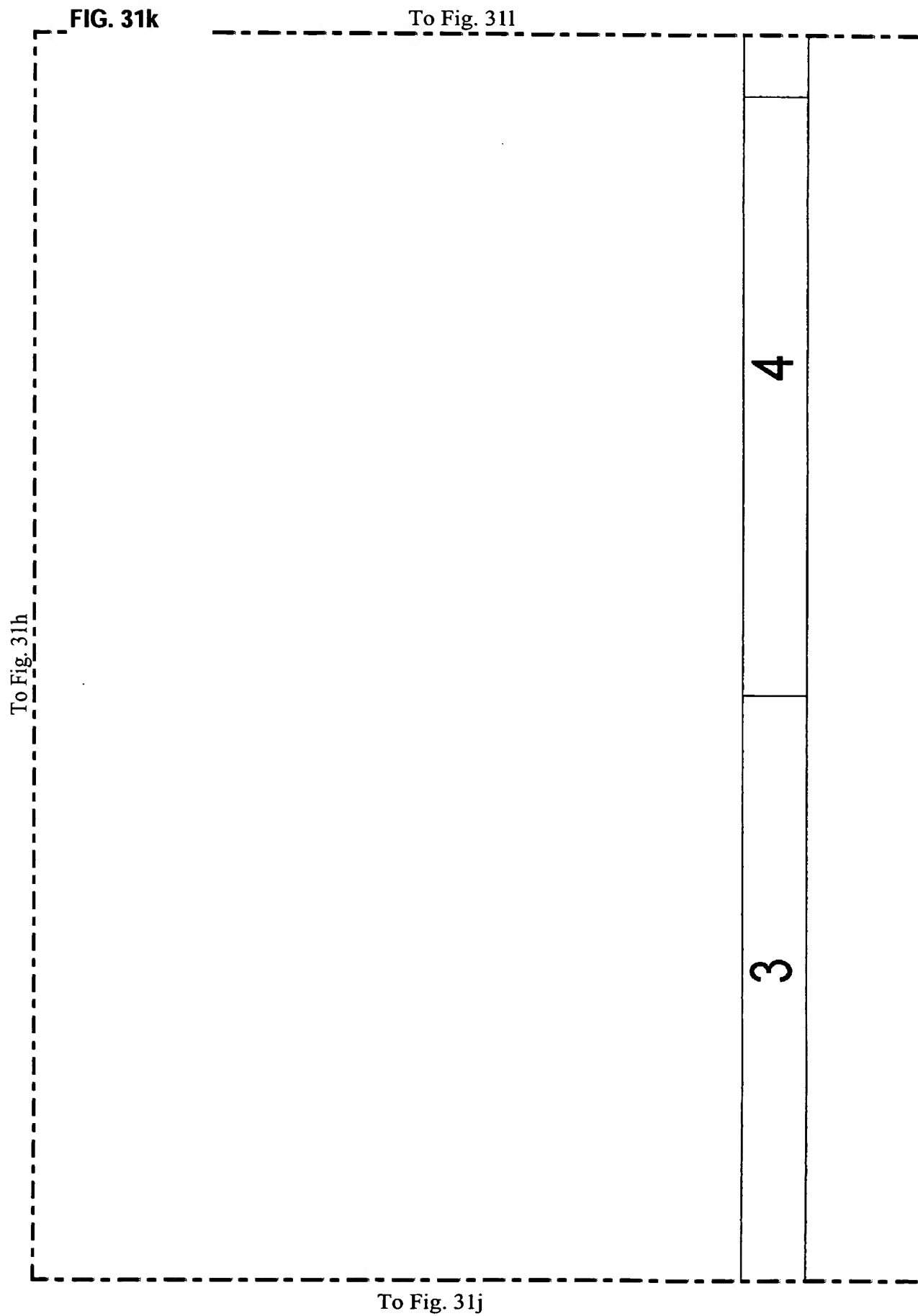


FIG. 31l

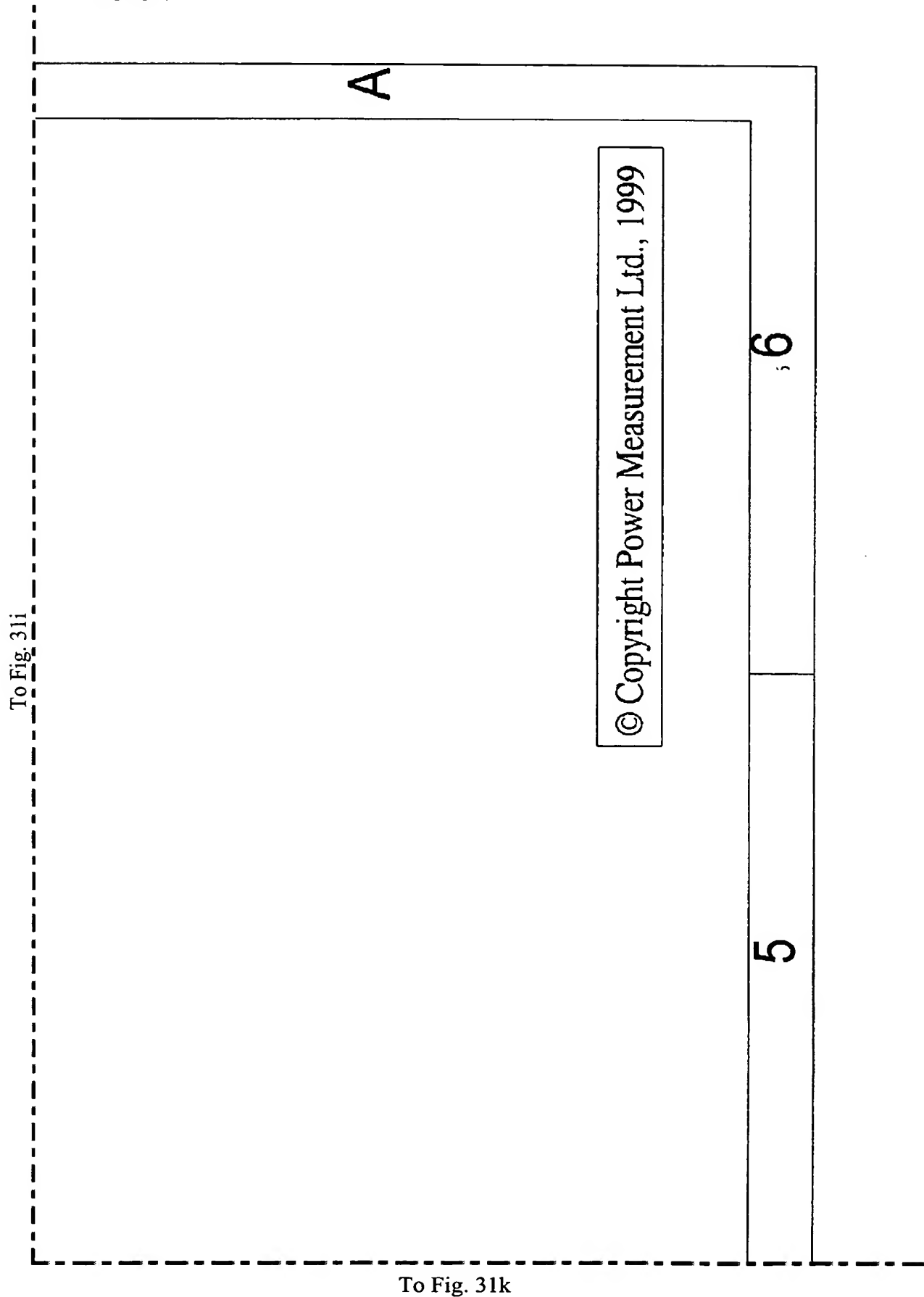
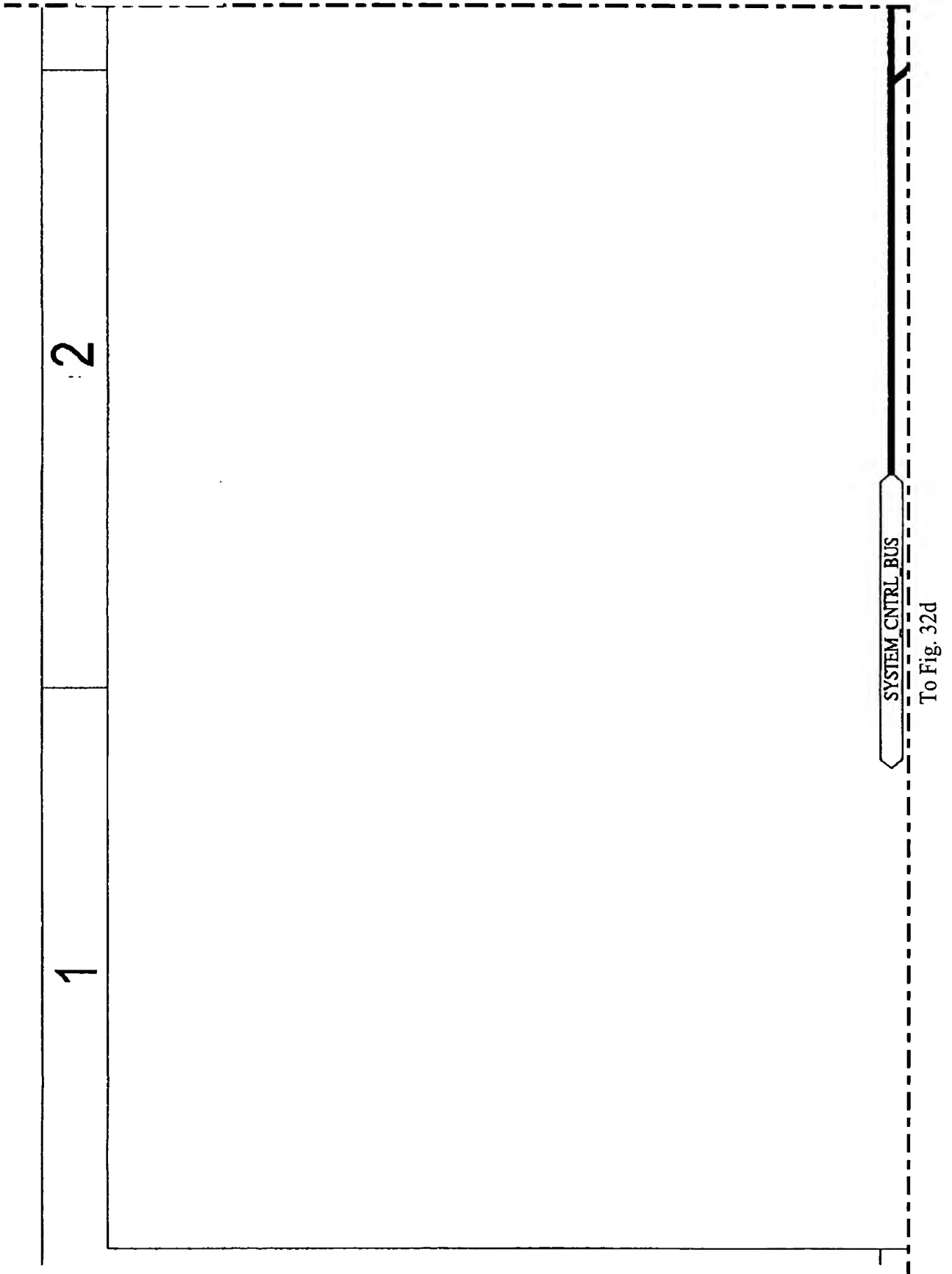


FIG. 32a

To Fig. 32b



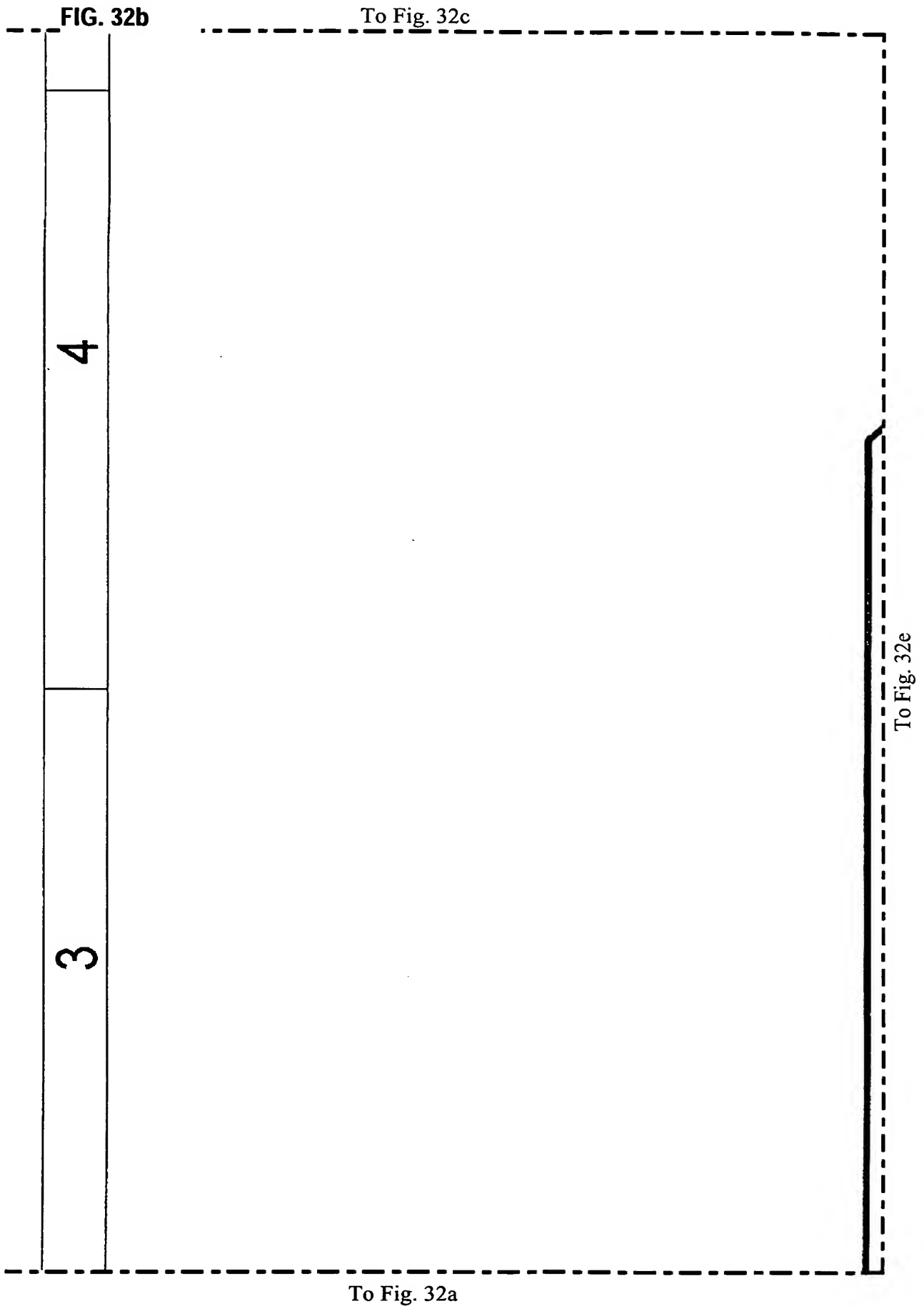
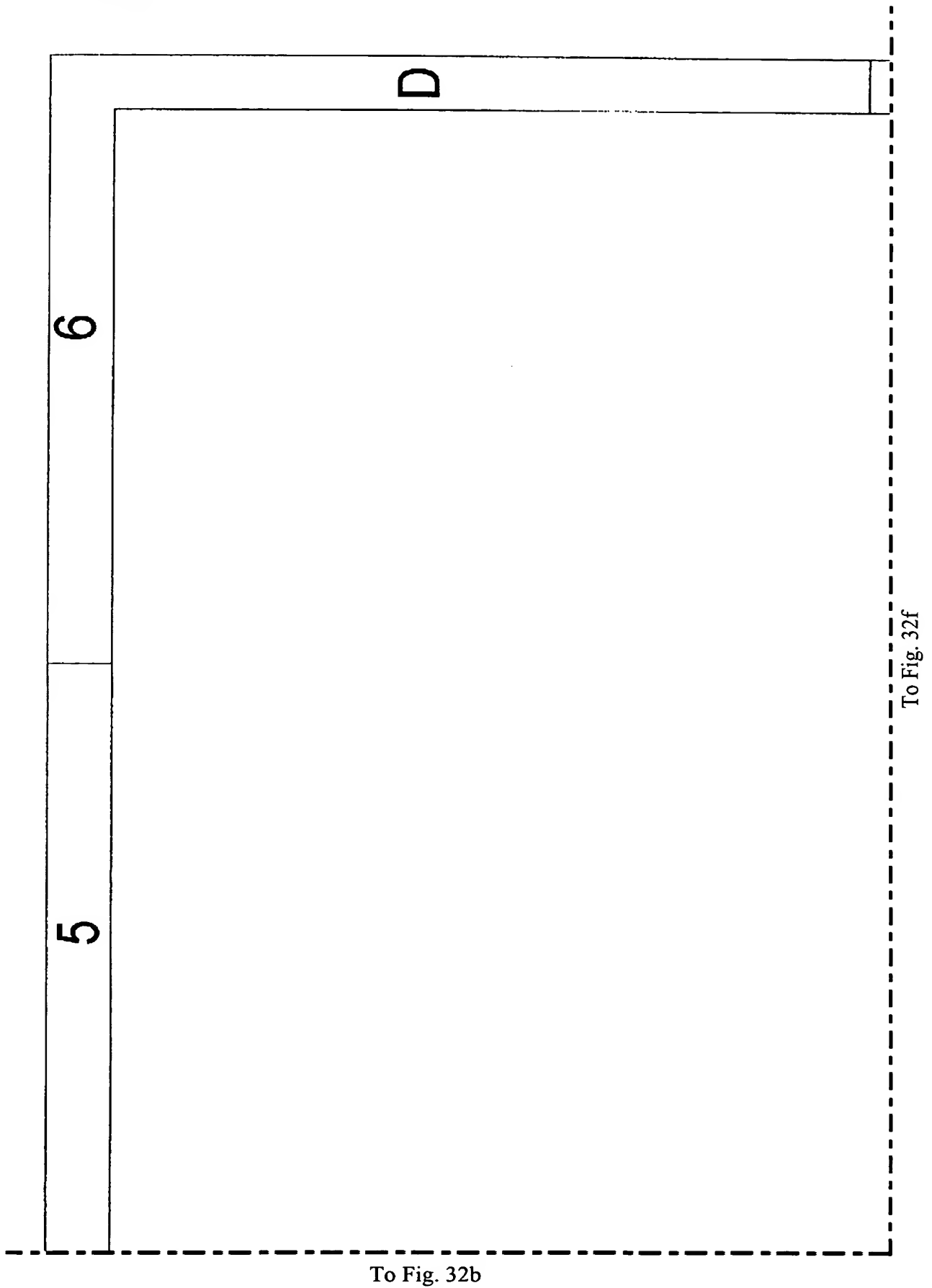
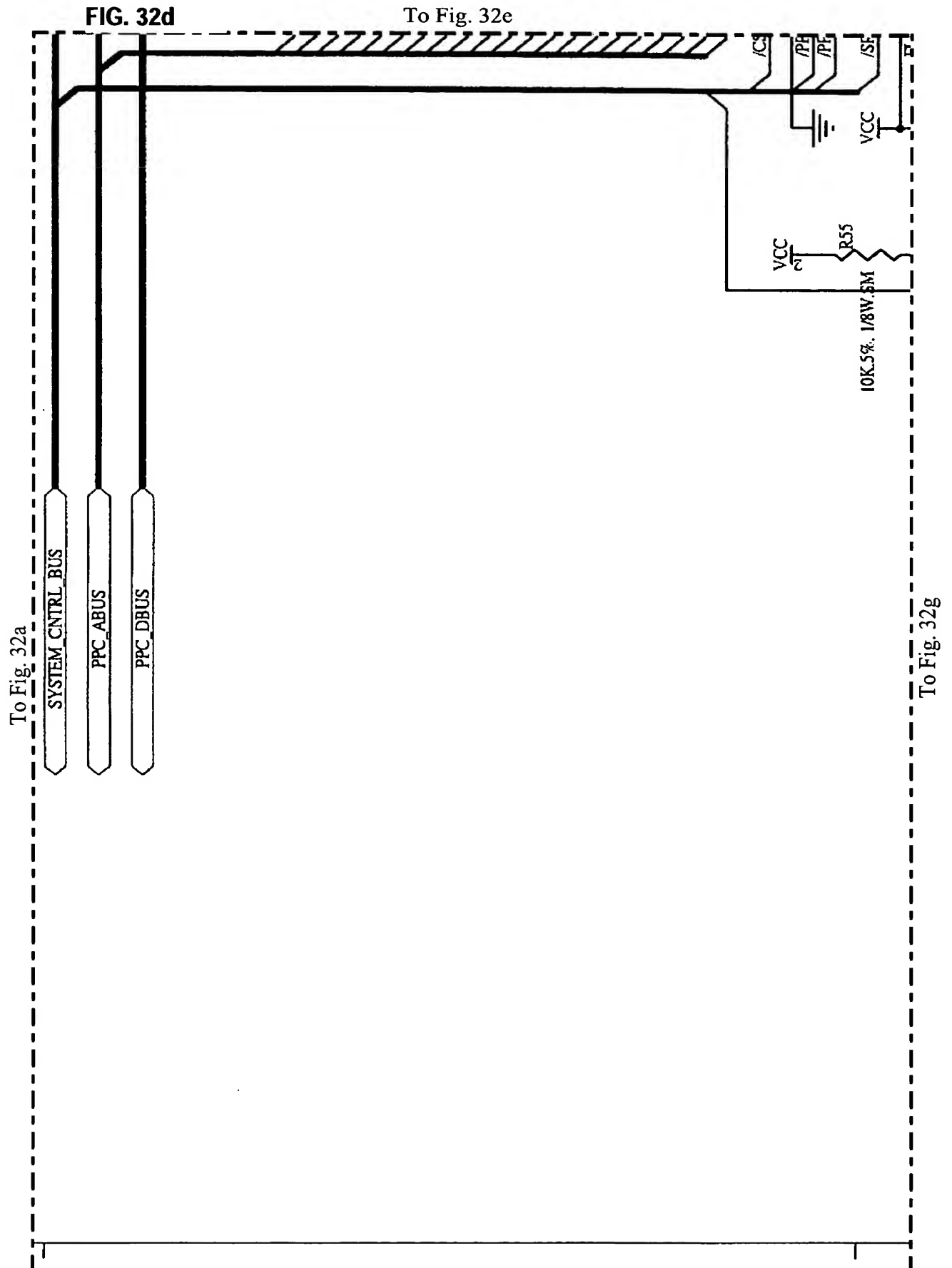


FIG. 32c





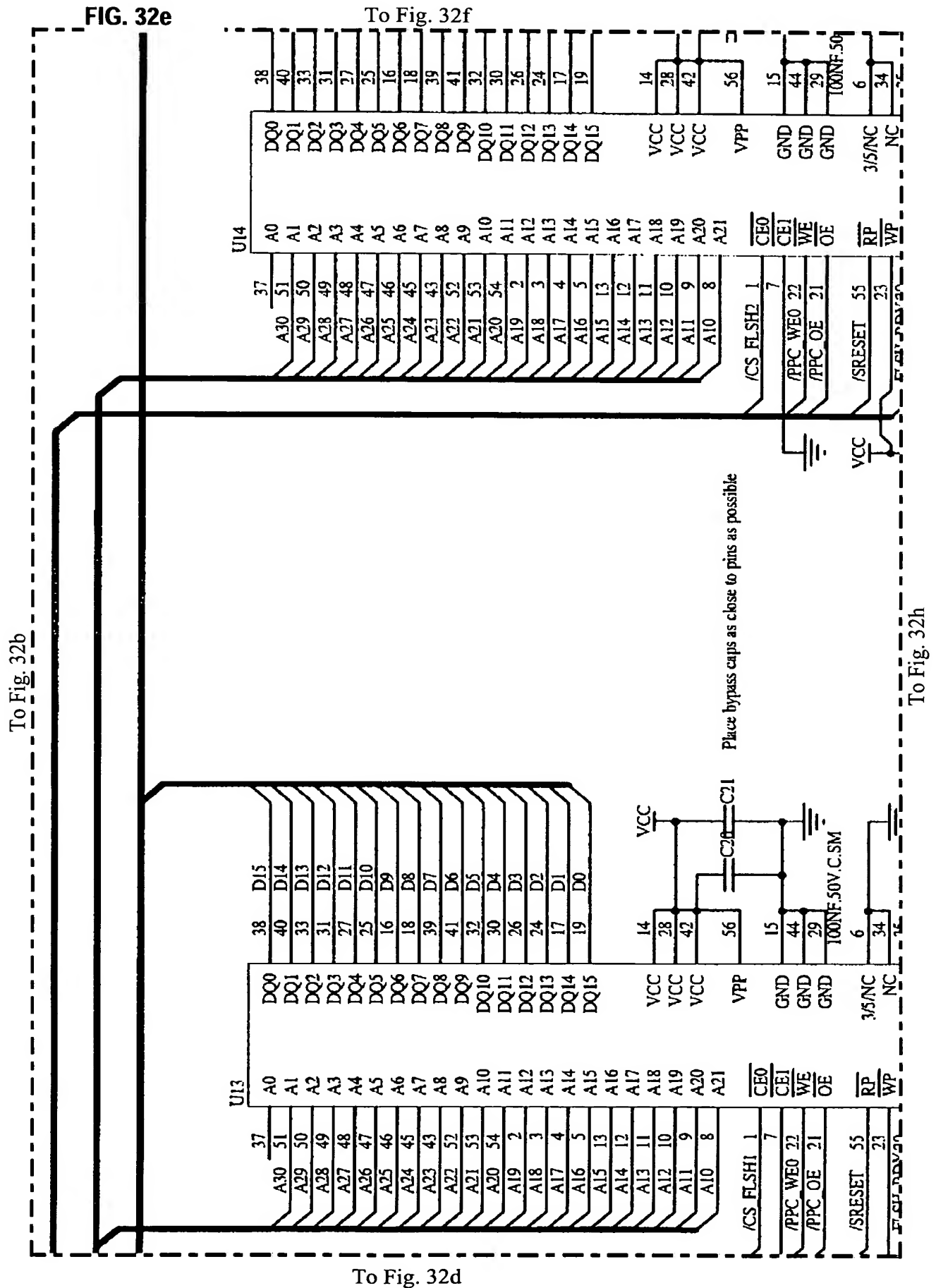
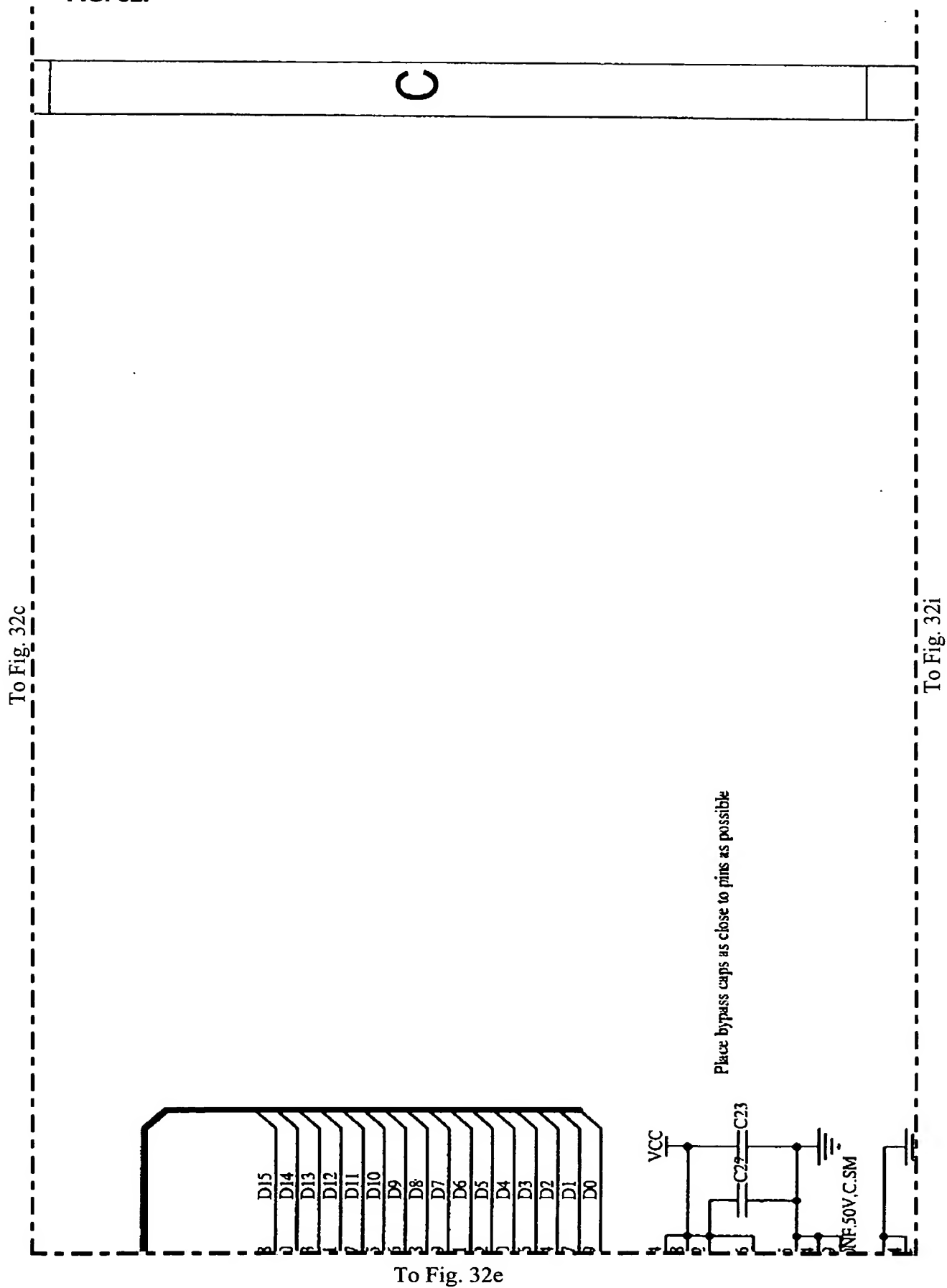
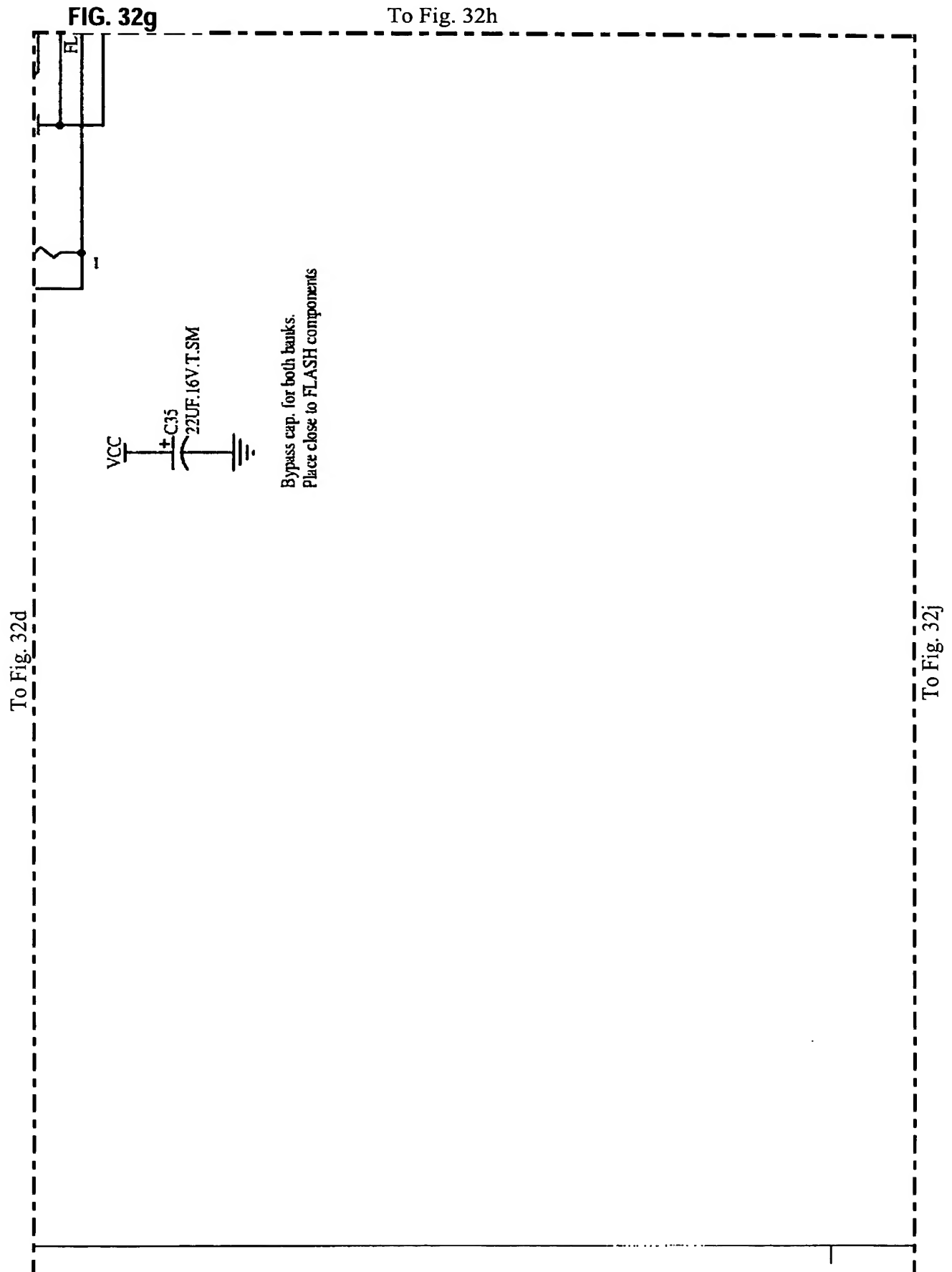


FIG. 32f





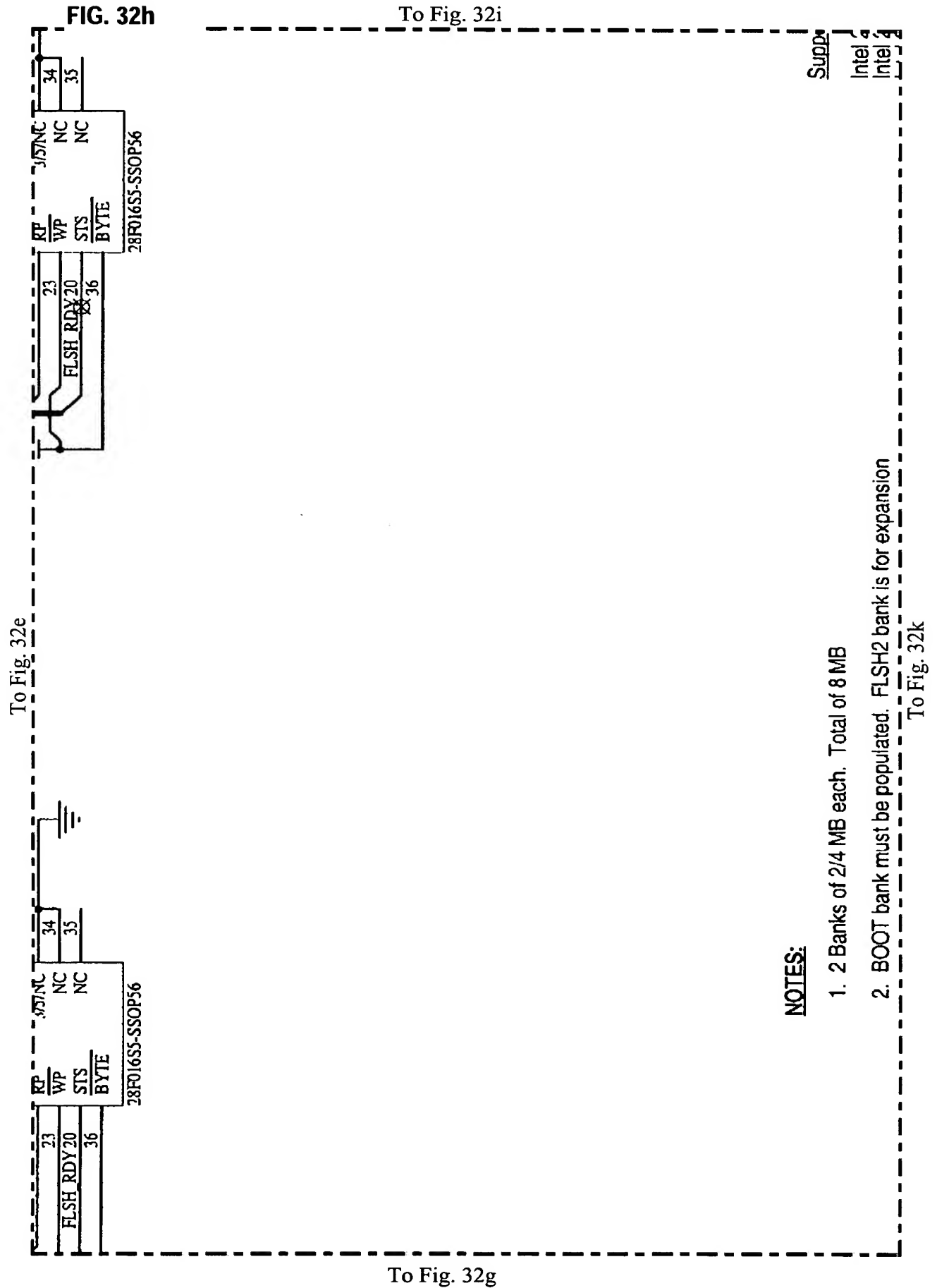


FIG. 32i

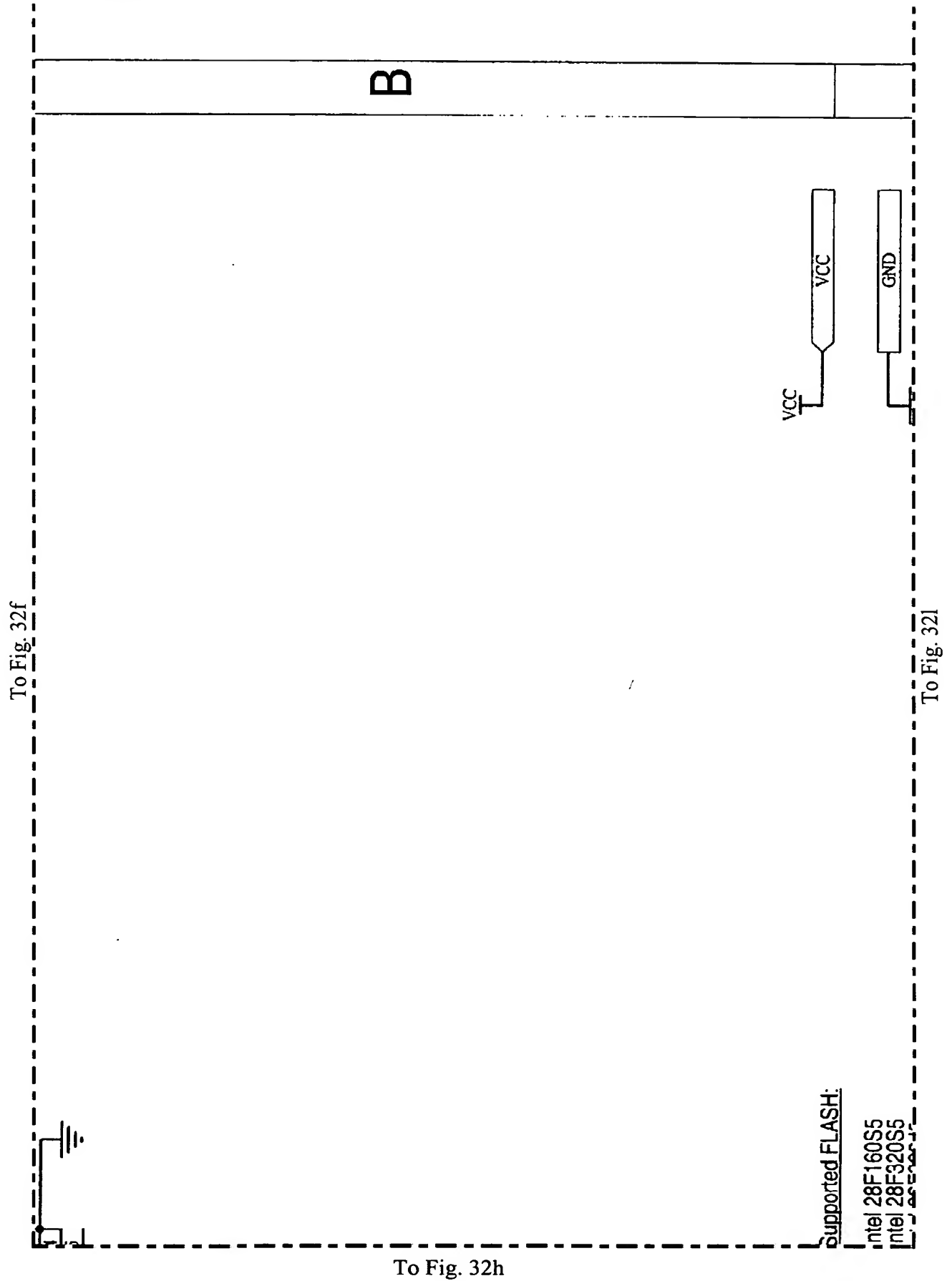


FIG. 32j

To Fig. 32k

To Fig. 32g

2

1

FIG. 32k

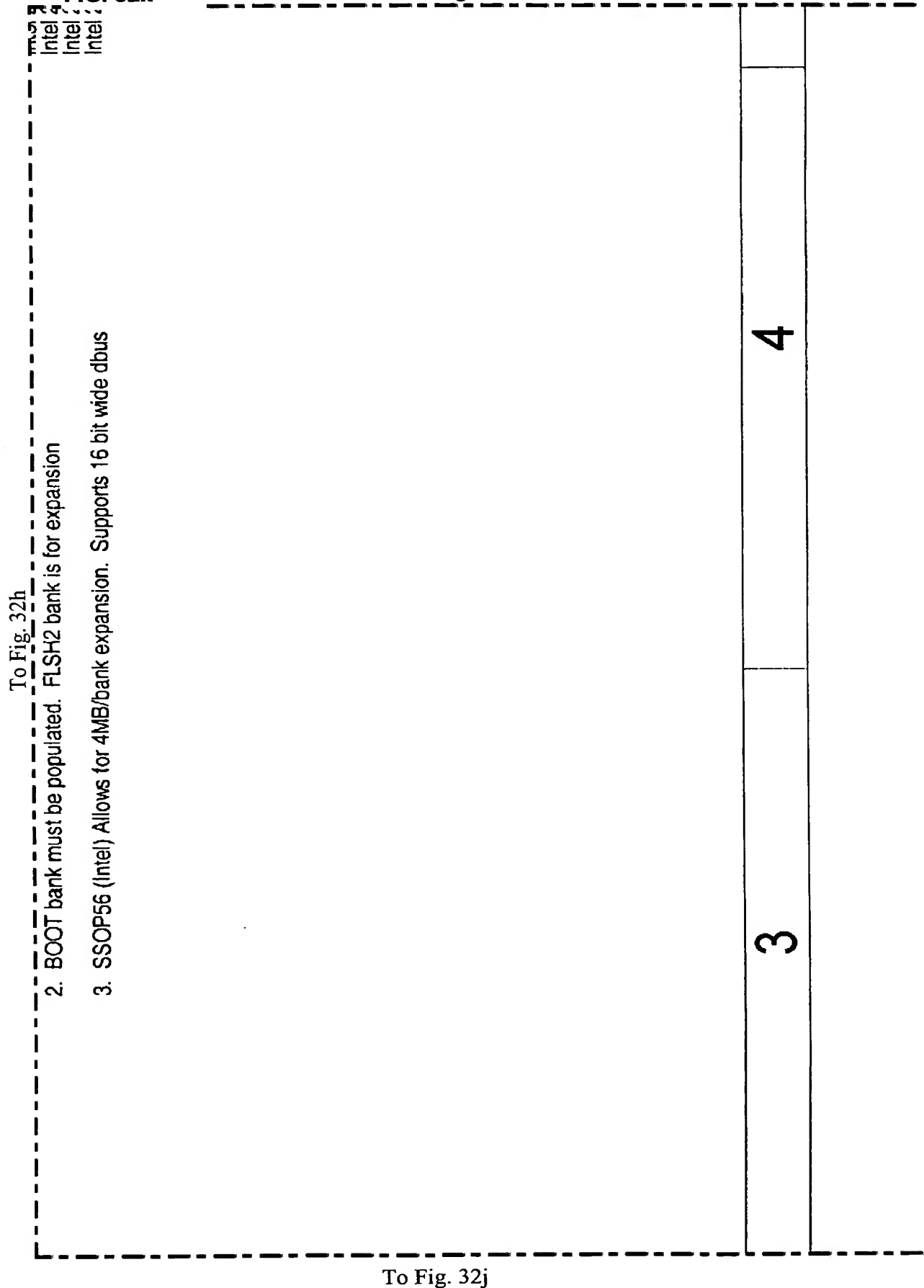


FIG. 32i

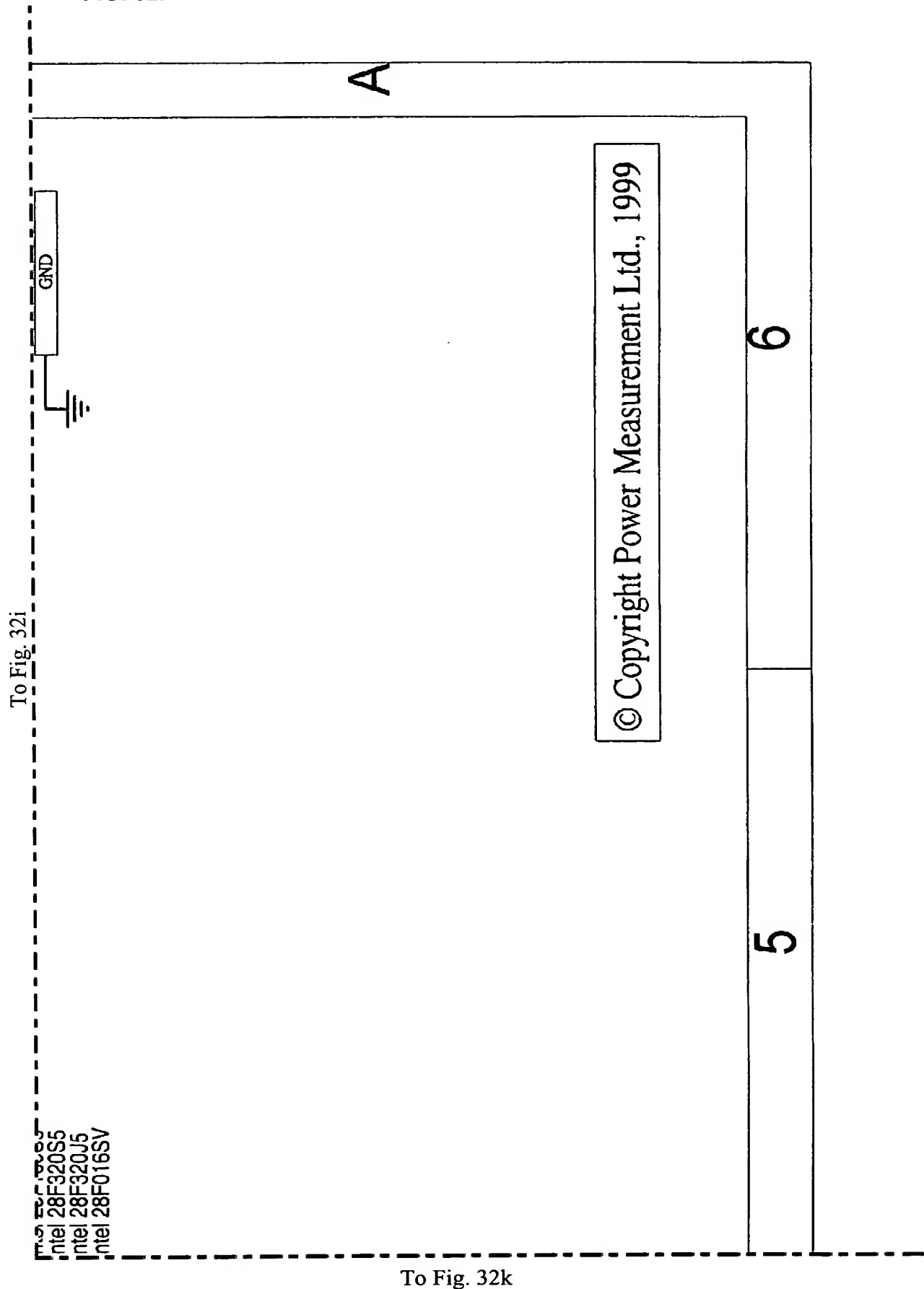
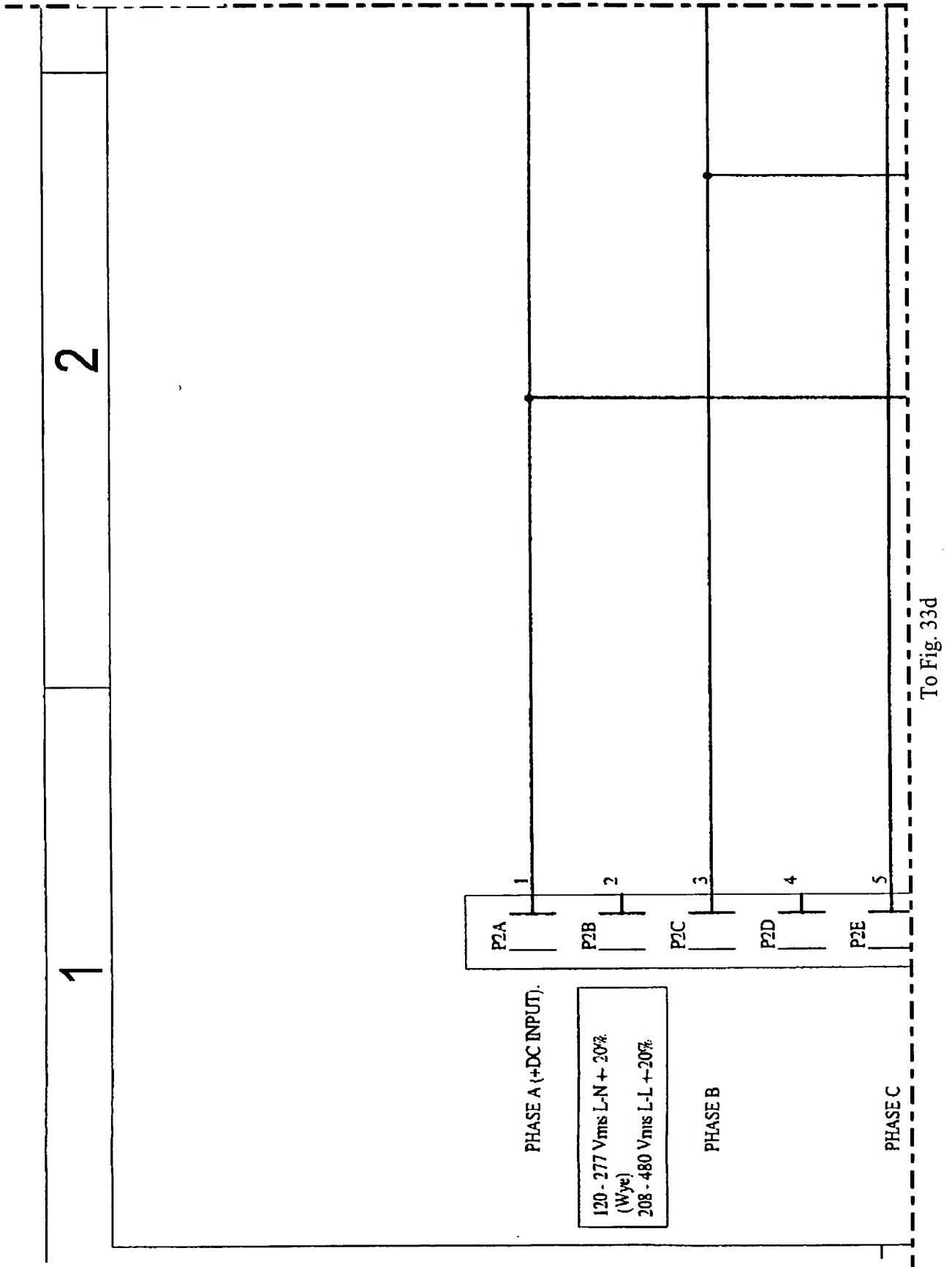


FIG. 33a

To Fig. 33b



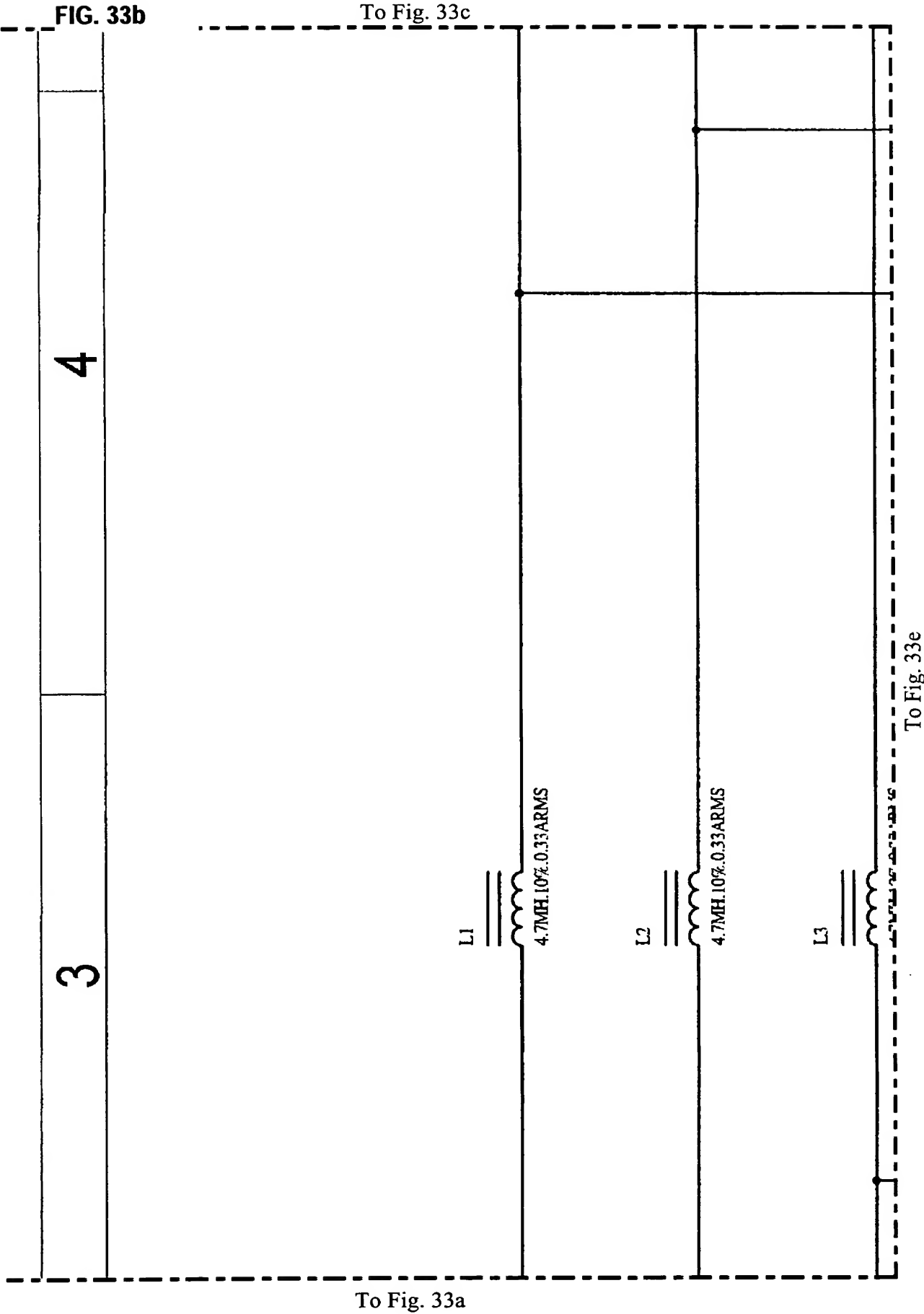
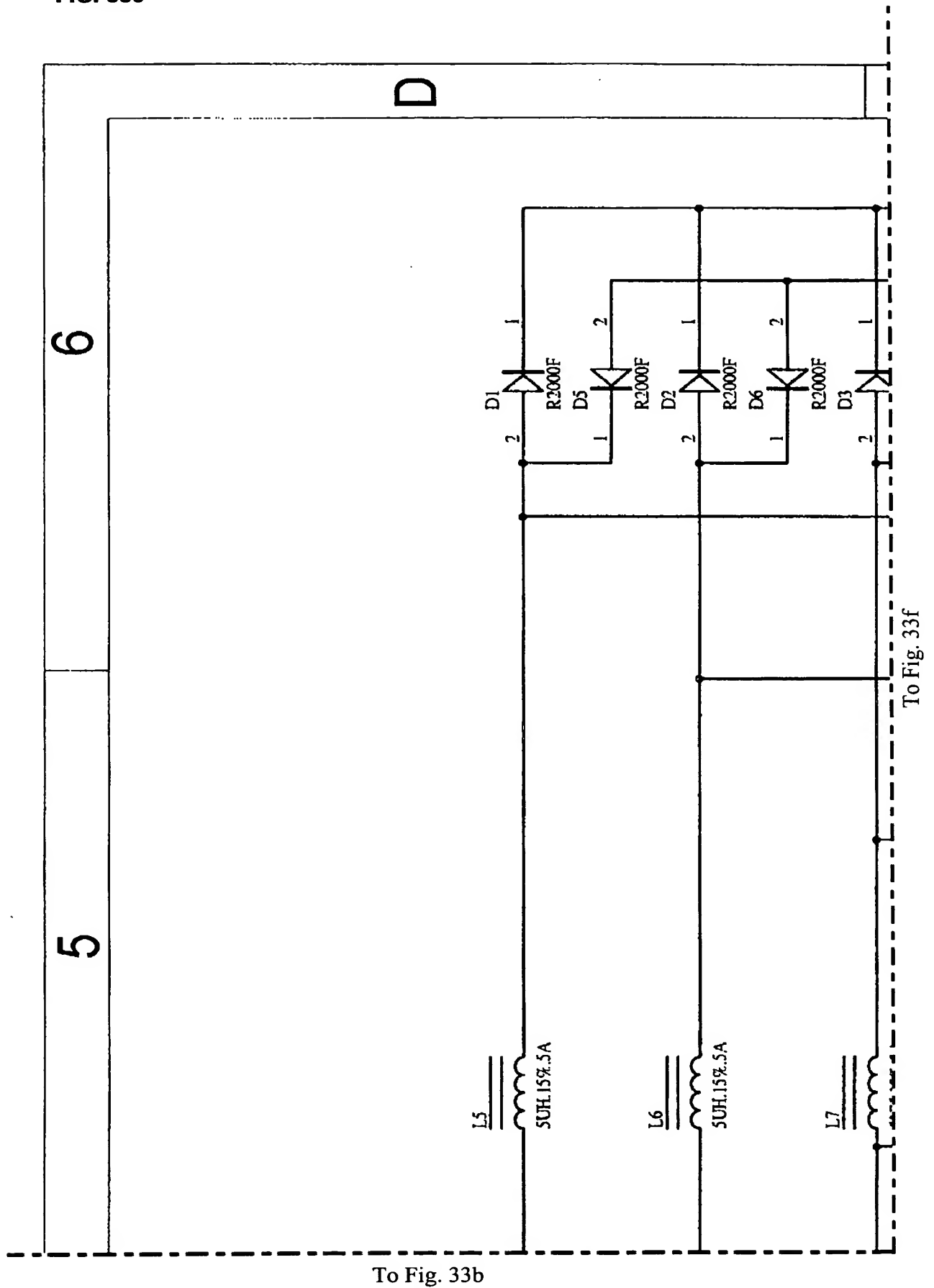
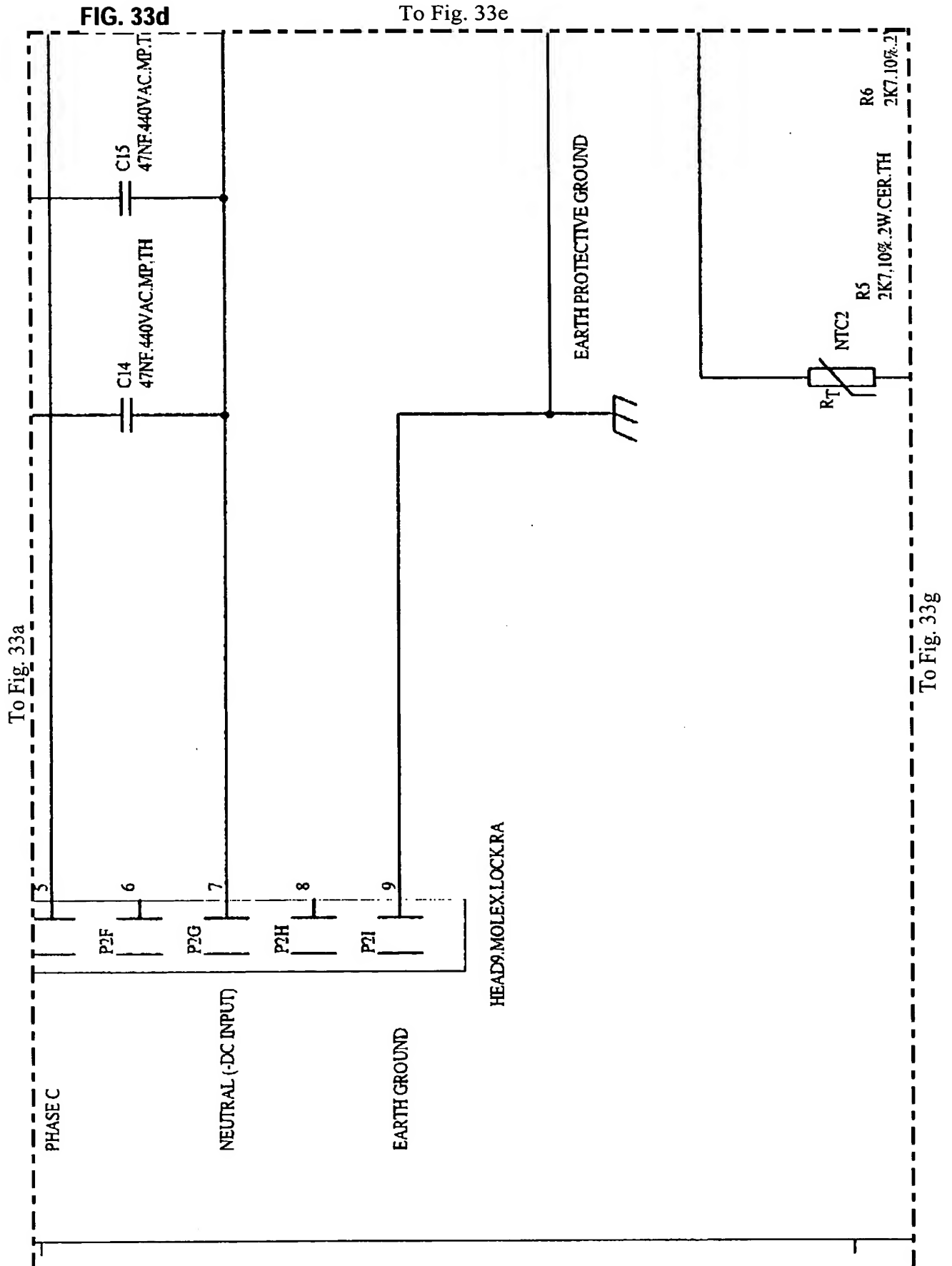


FIG. 33c





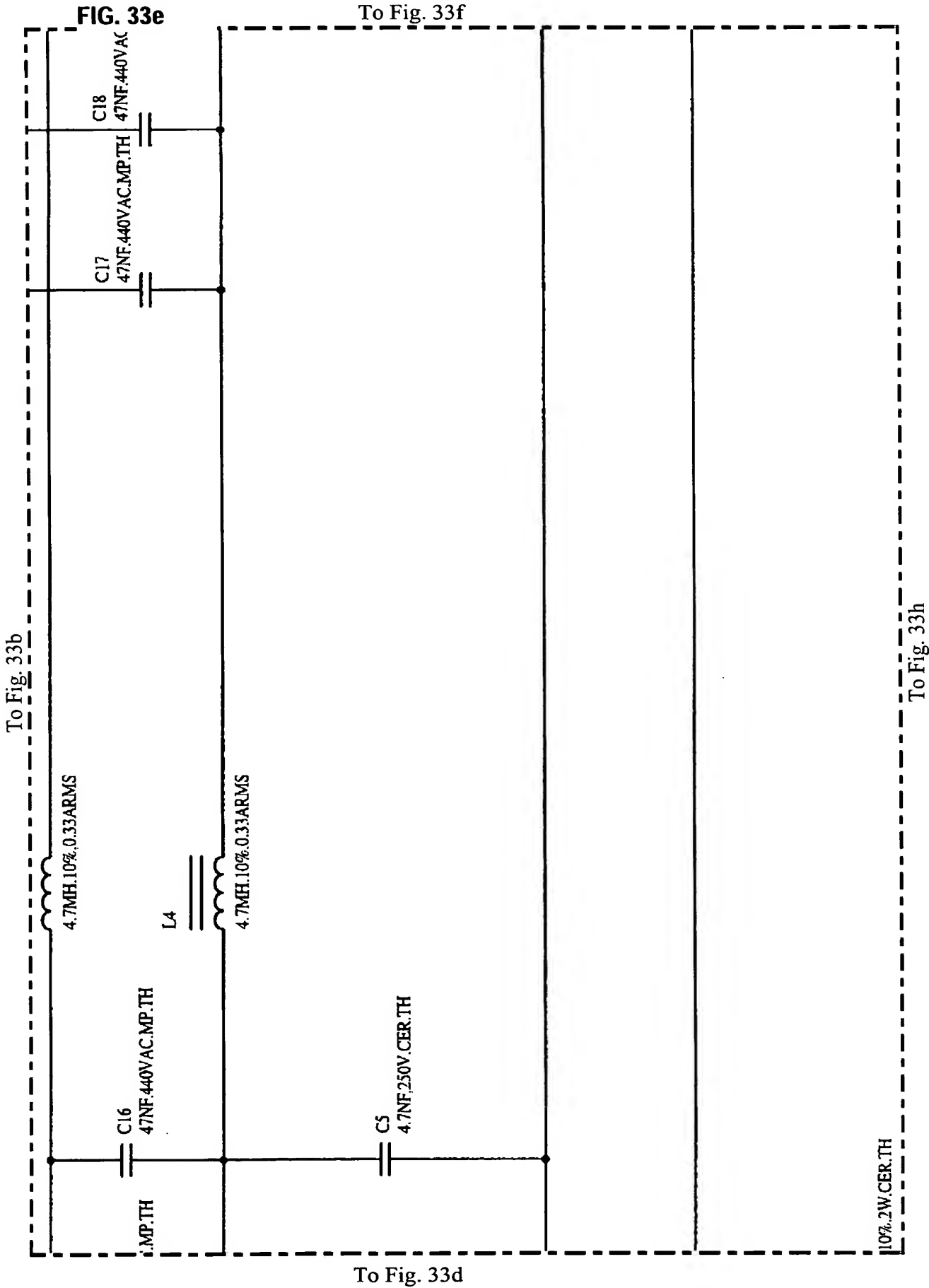
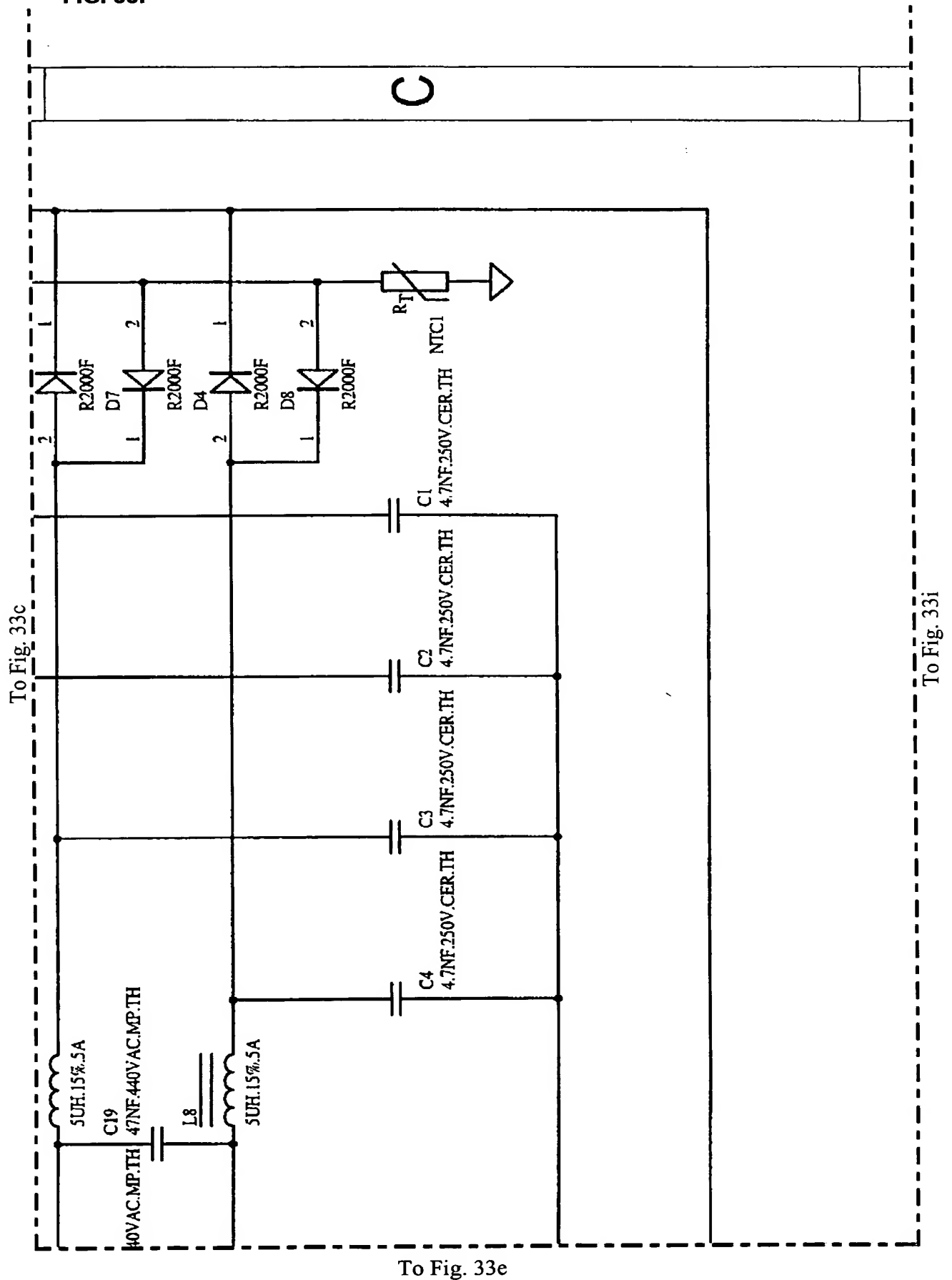
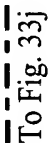


FIG. 33f





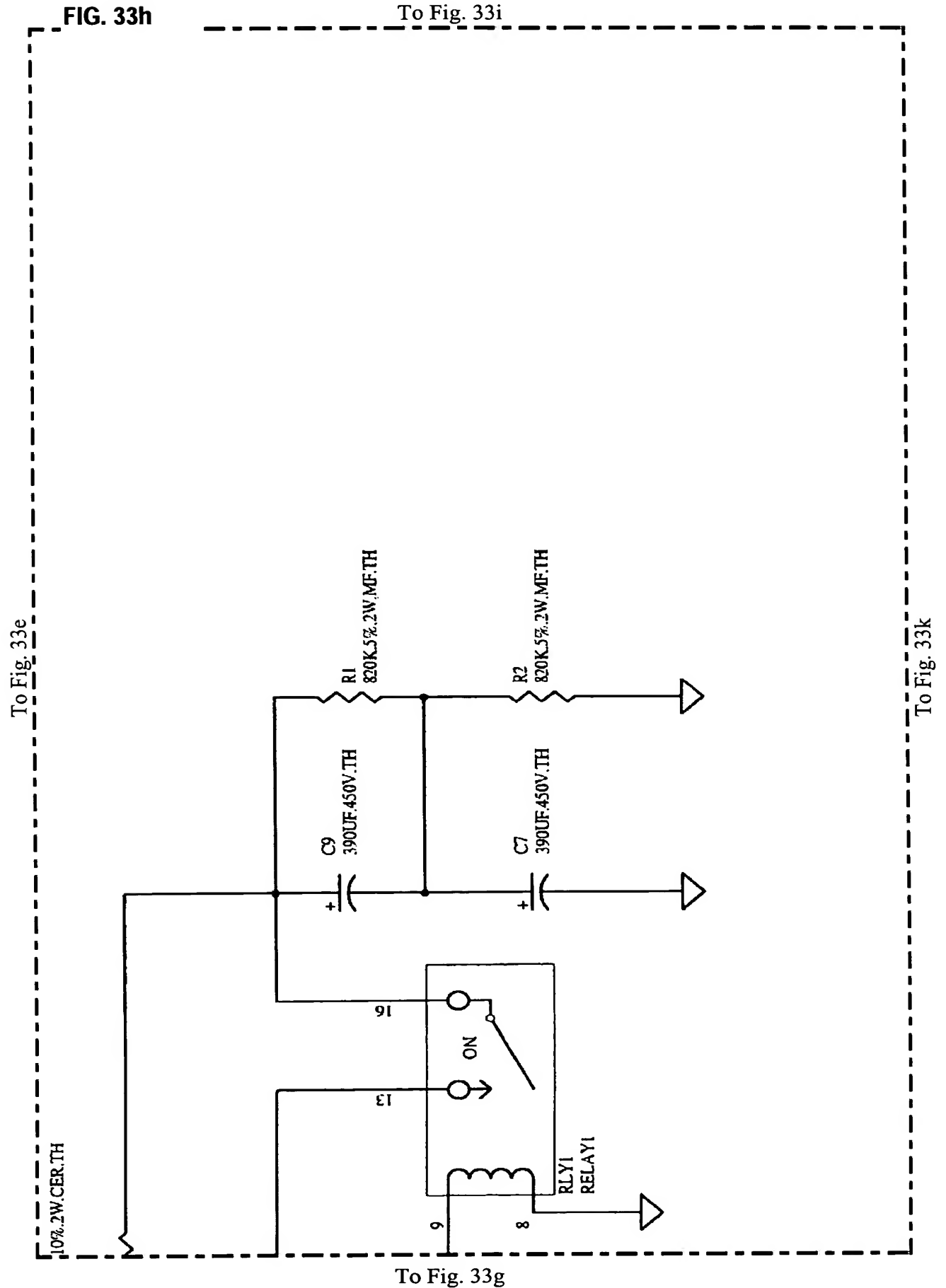
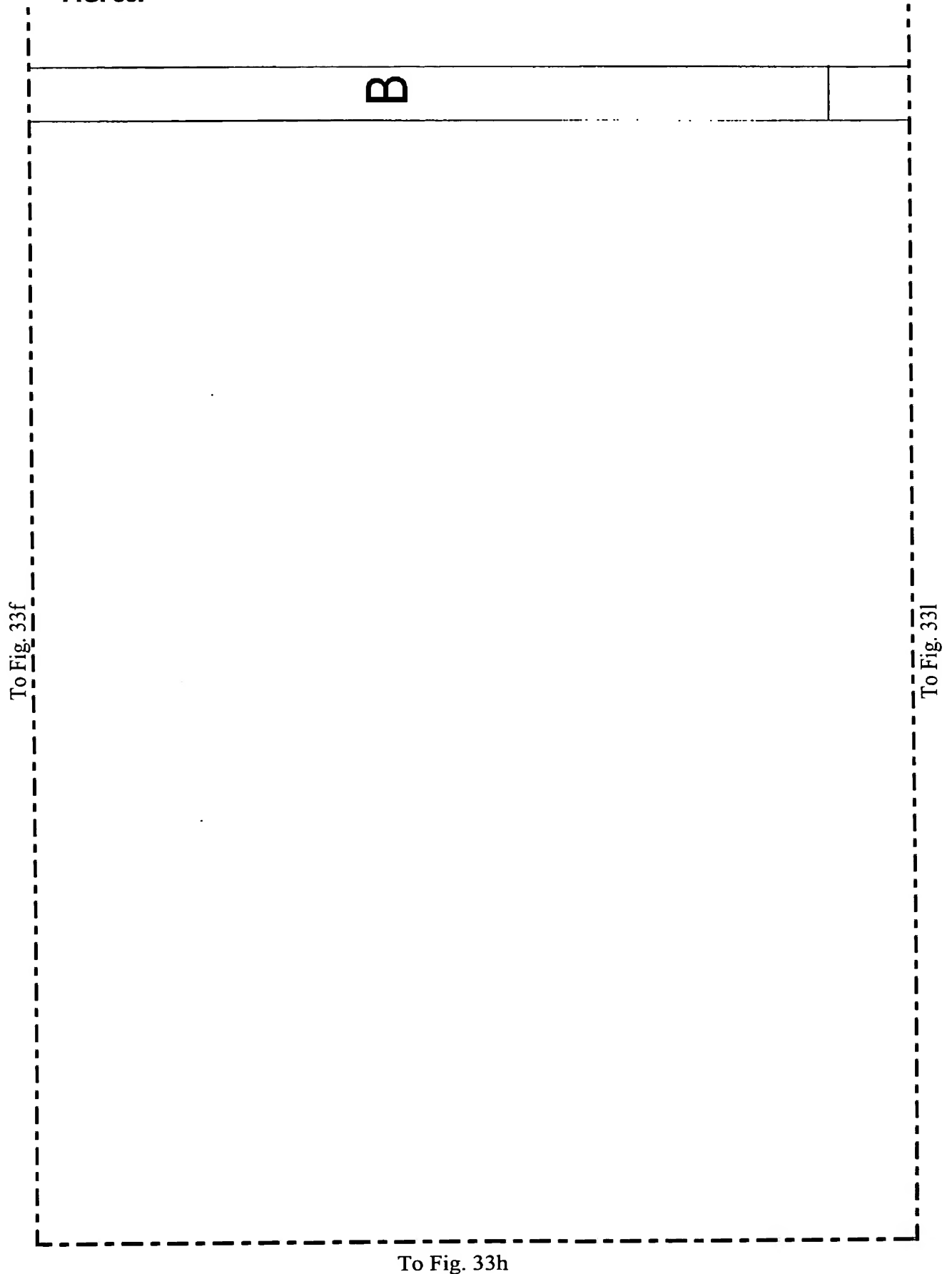
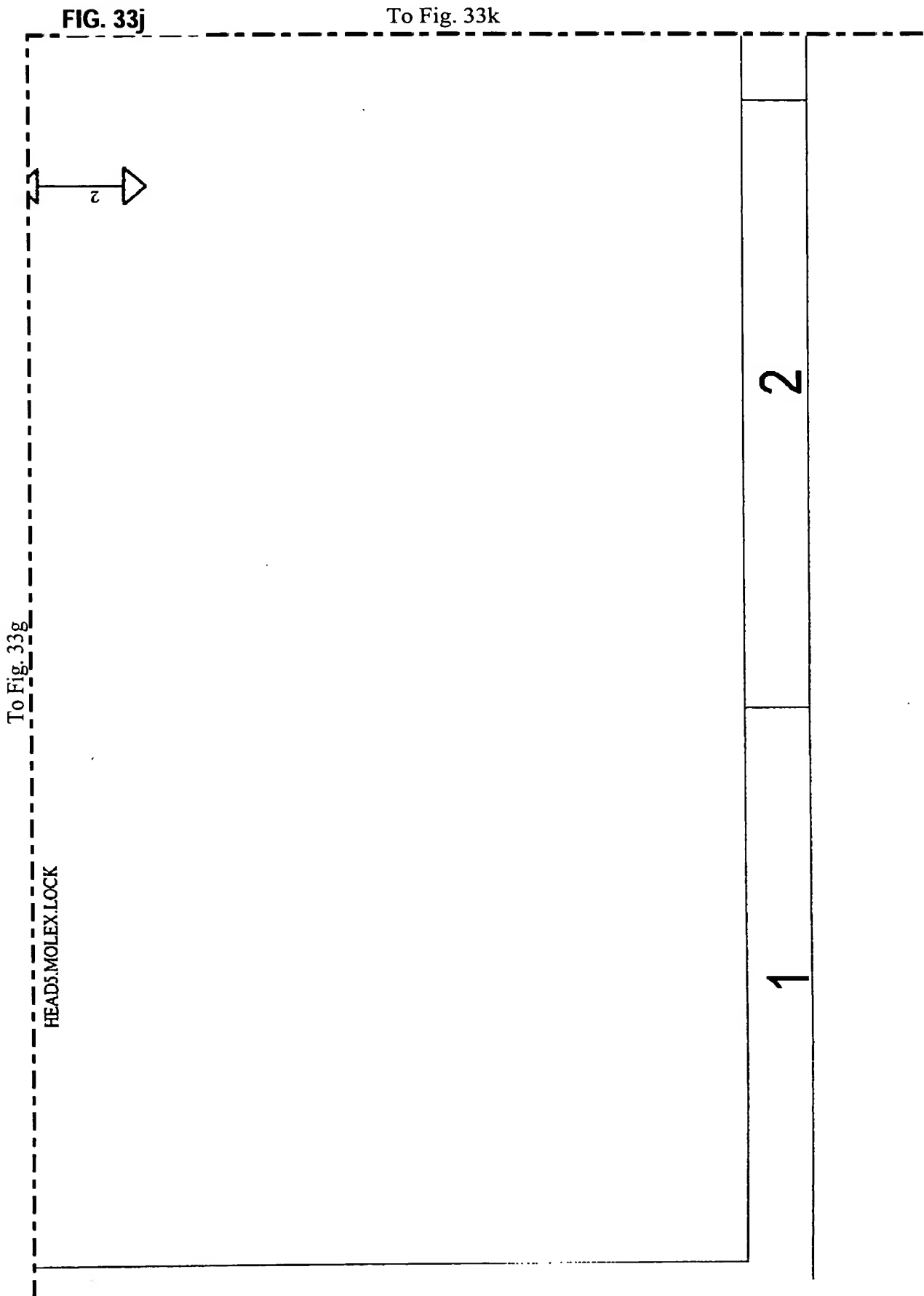


FIG. 33i





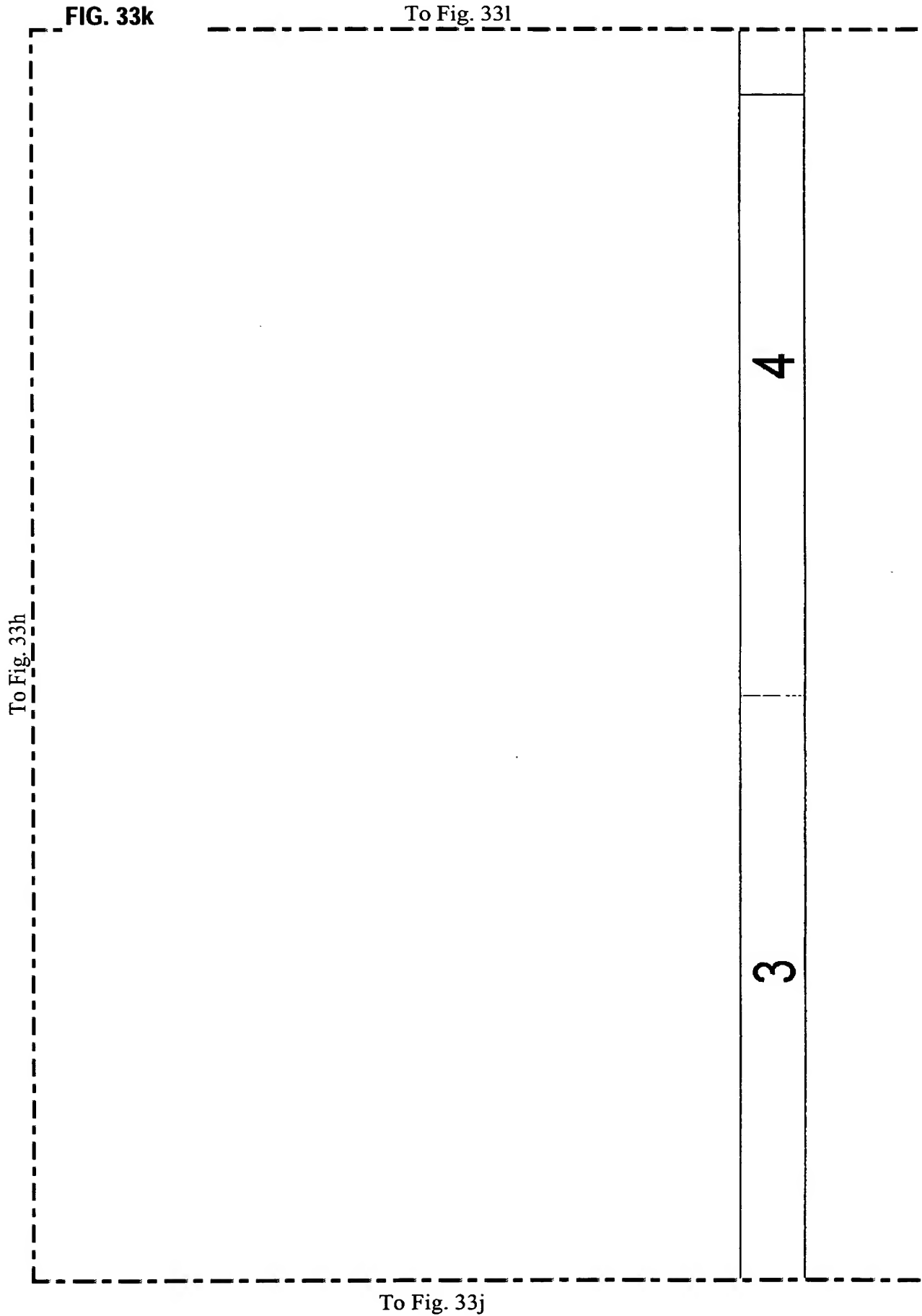


FIG. 33i

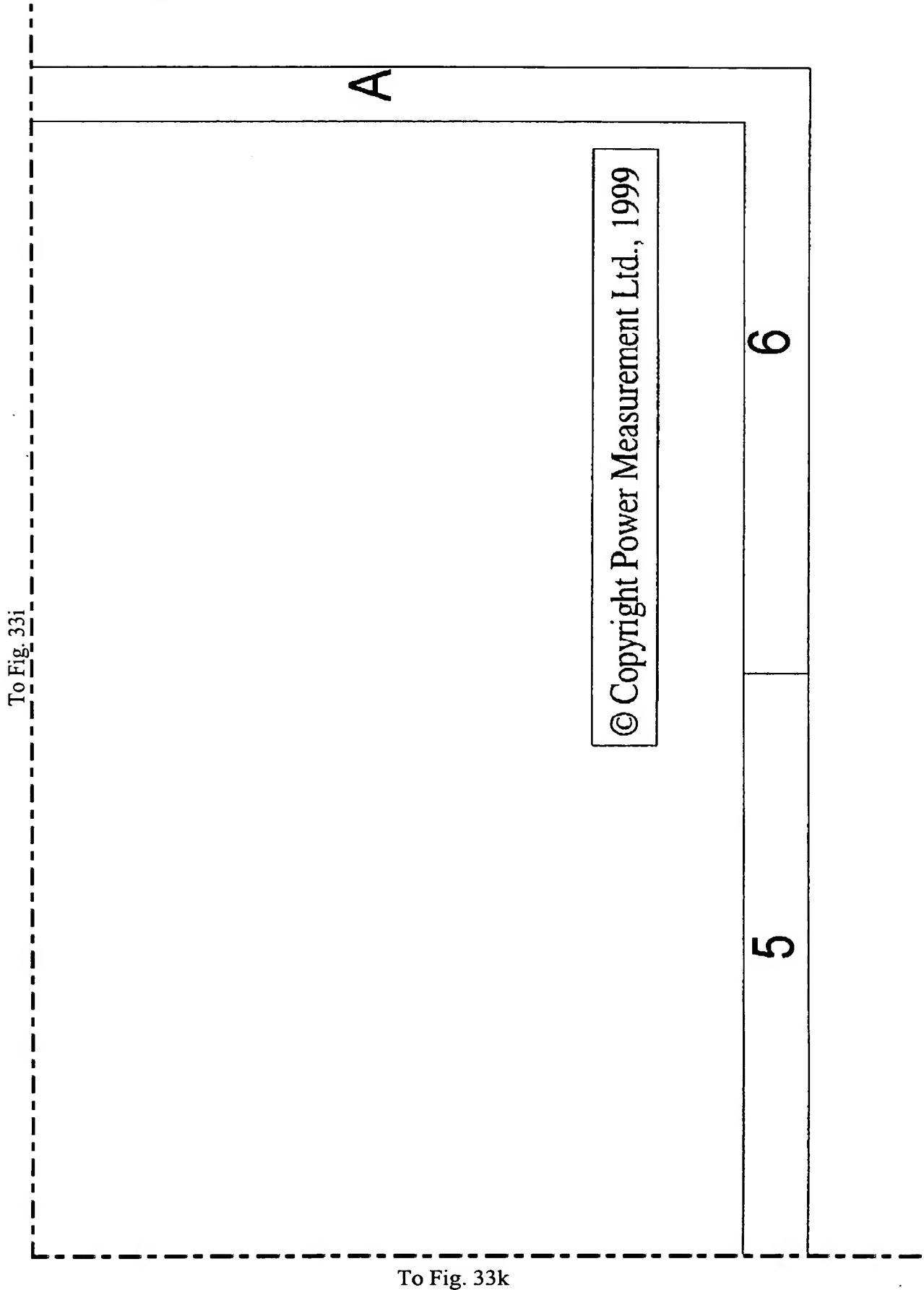


FIG. 34a

To Fig. 34b

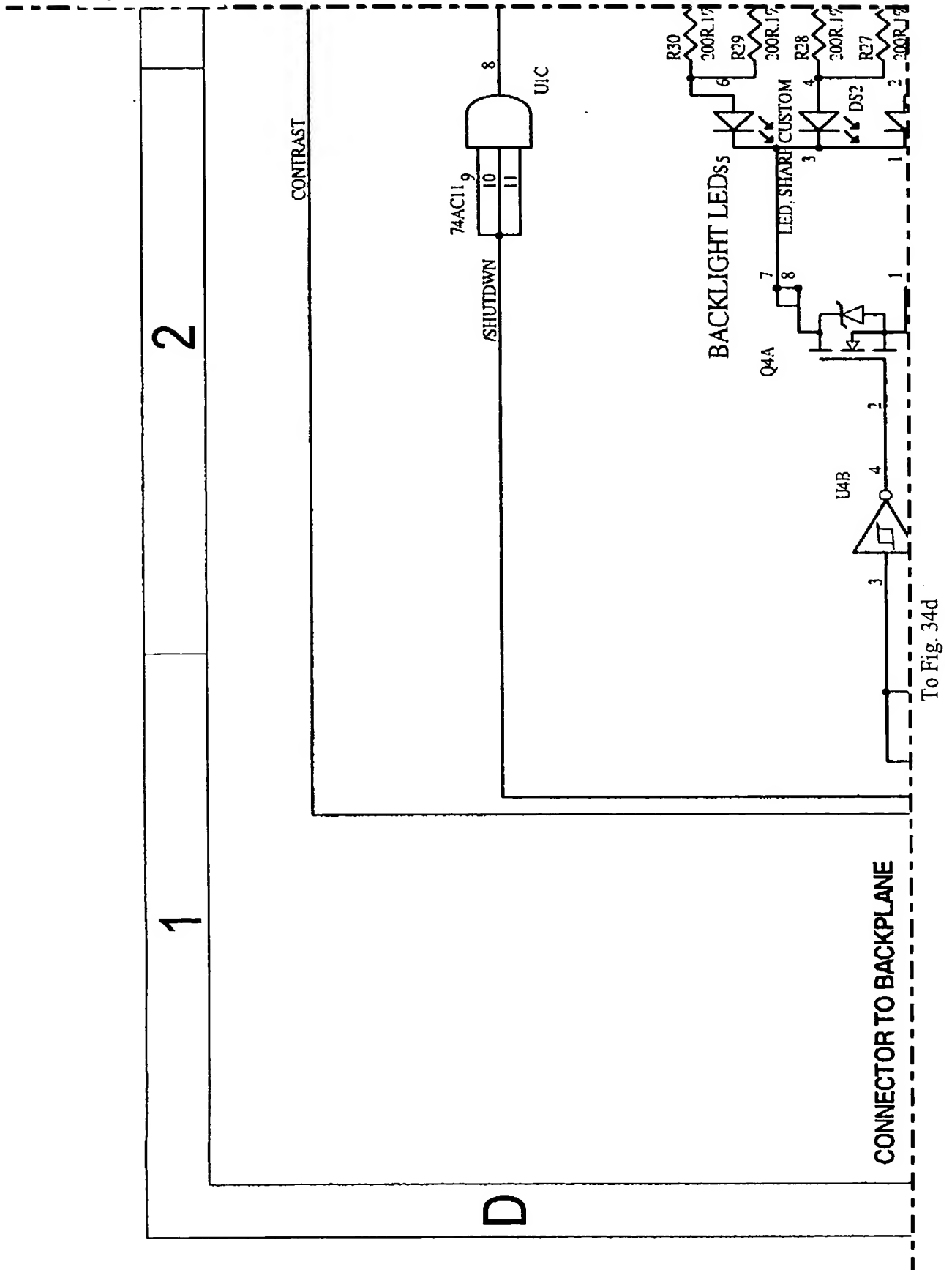
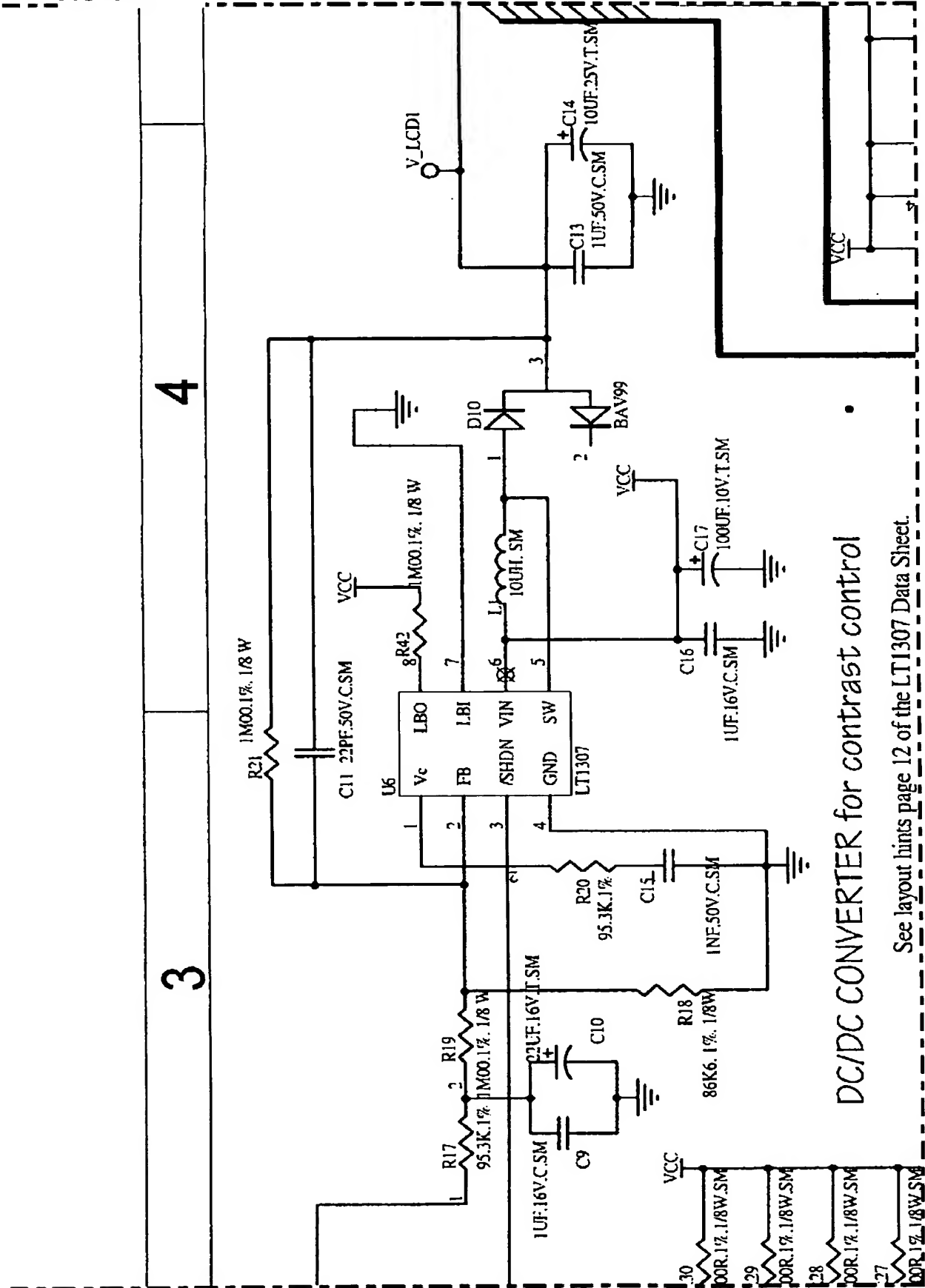


FIG. 34b

To Fig. 34c

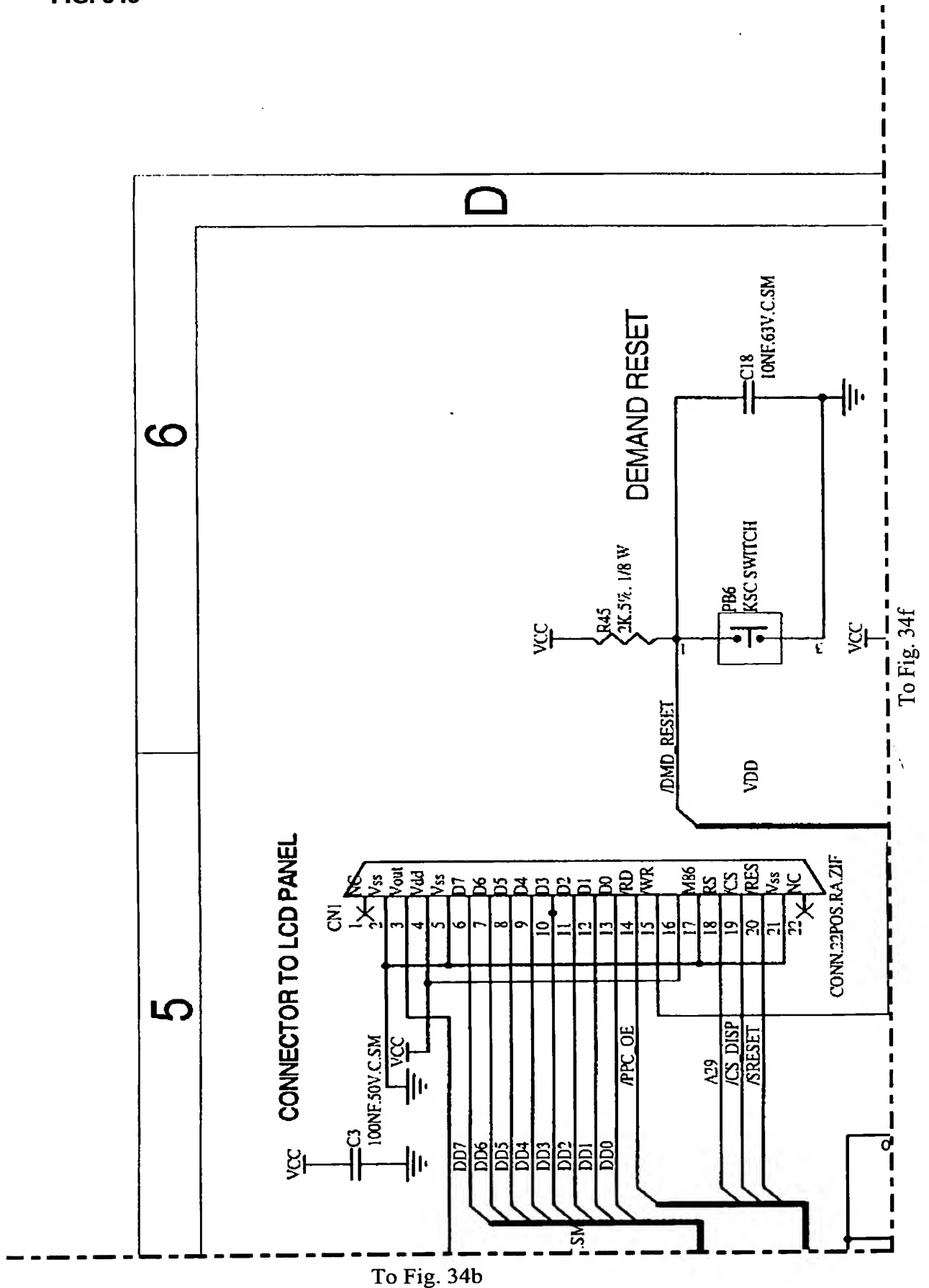


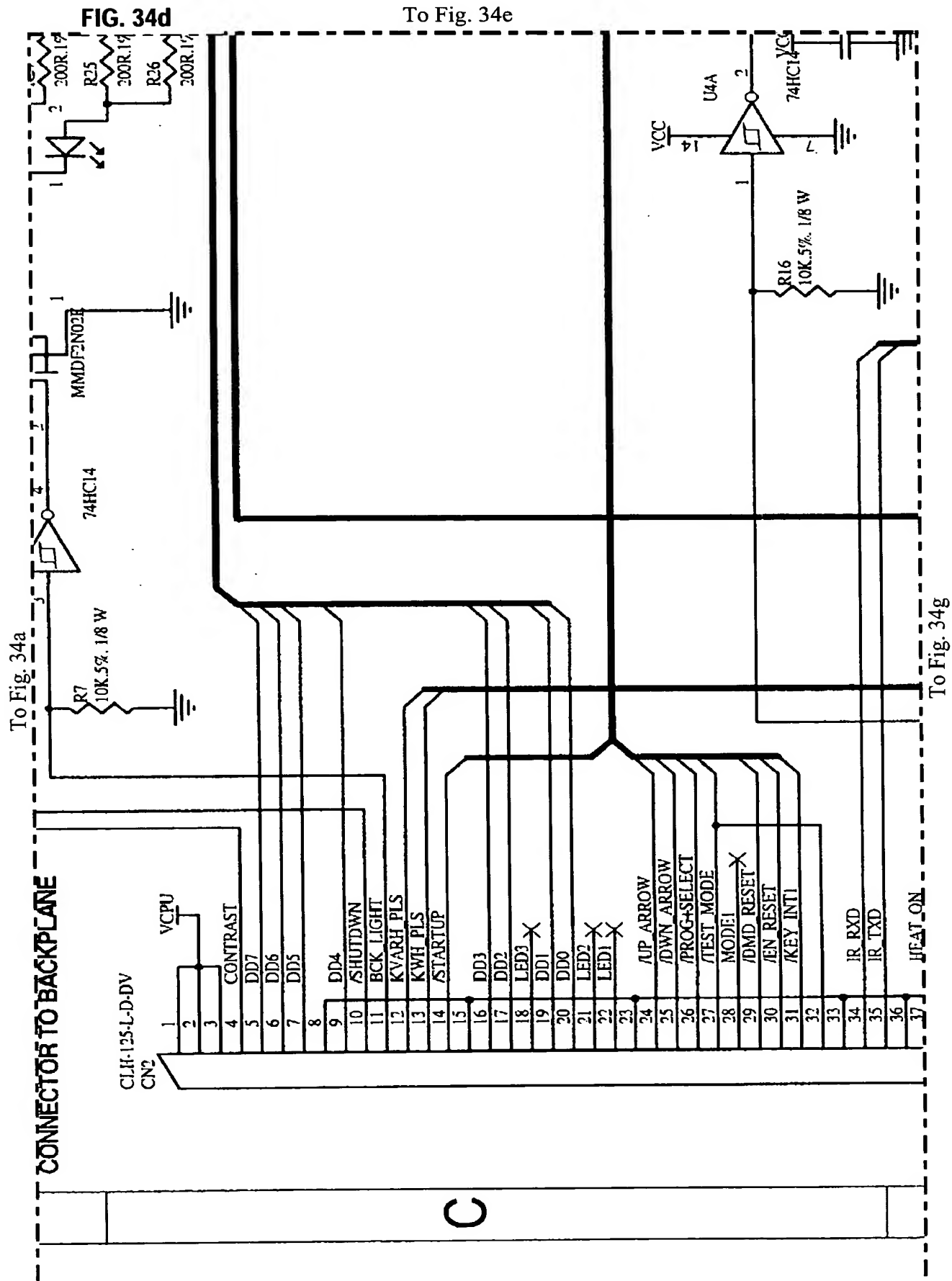
See layout hints page 12 of the LT1307 Data Sheet.

To Fig. 34e

To Fig. 34a

FIG. 34c





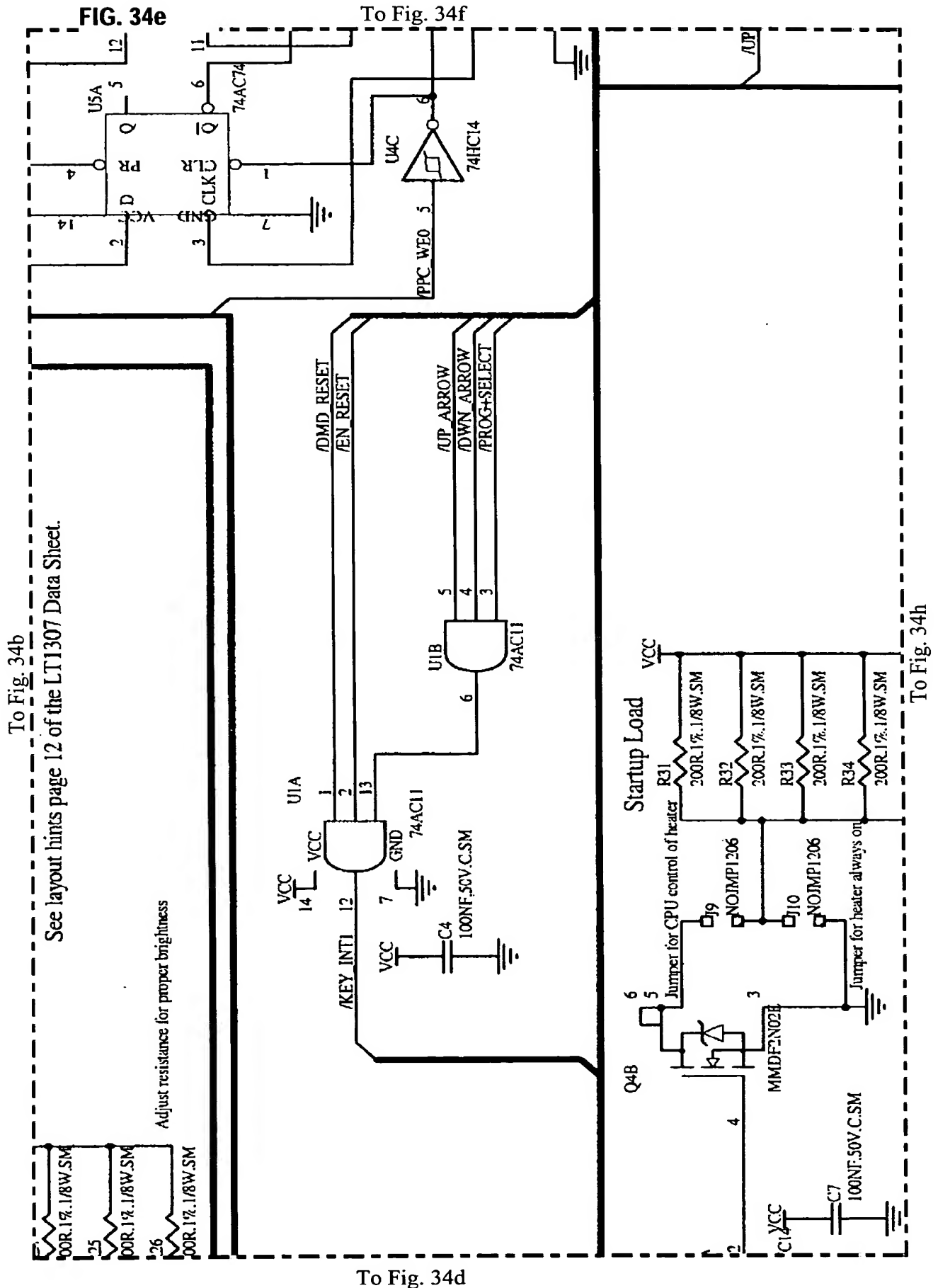
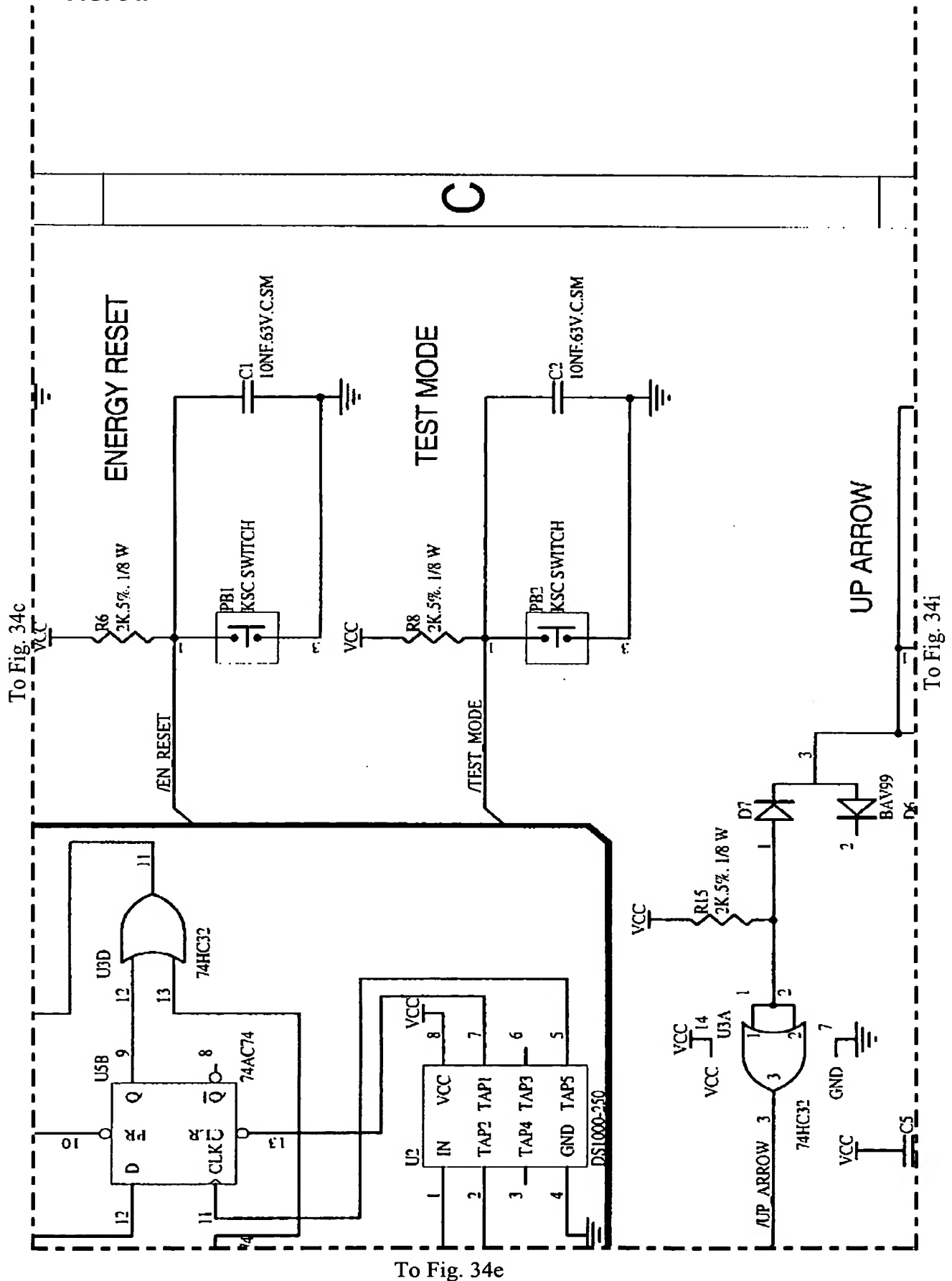
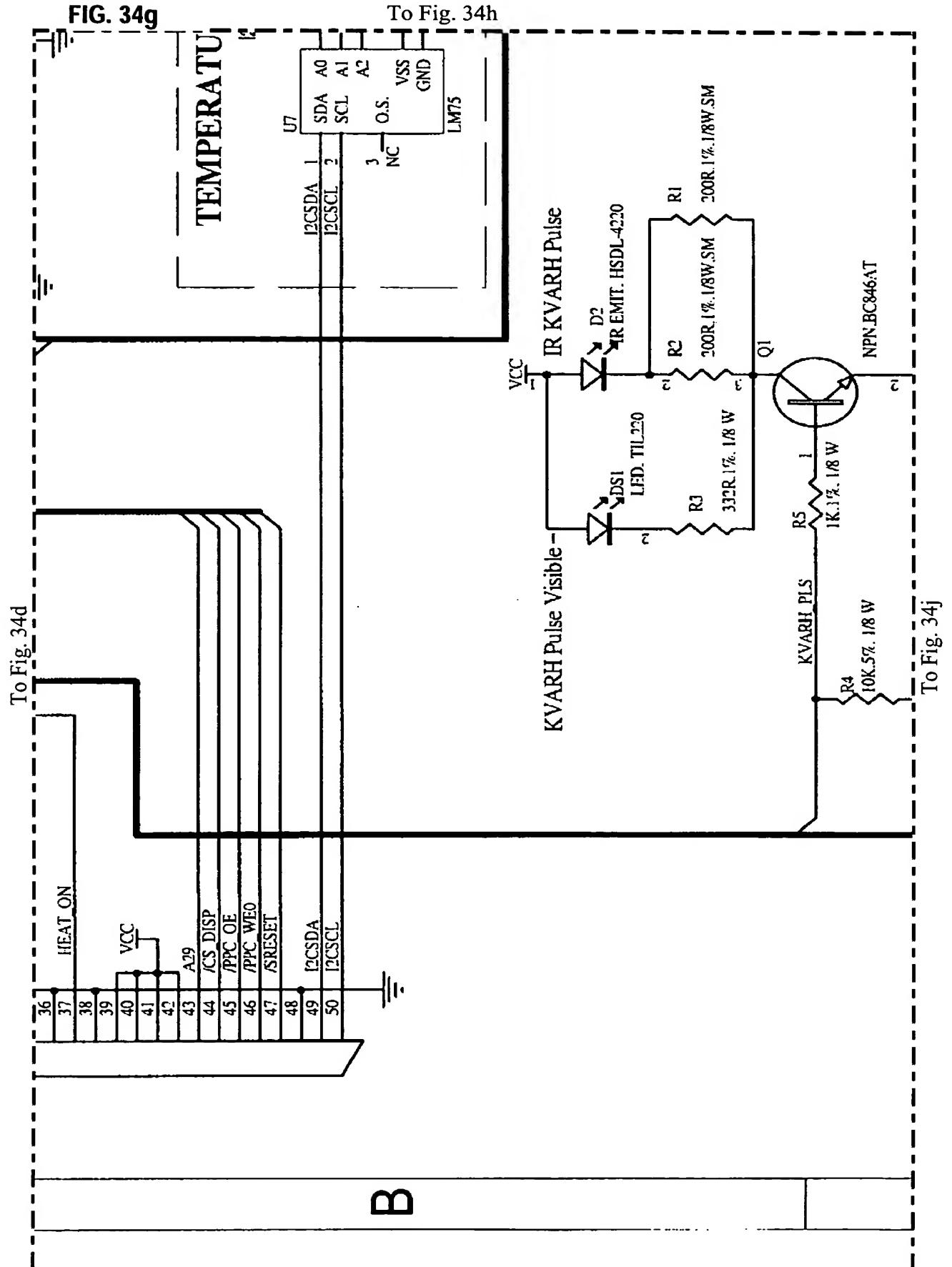


FIG. 34f





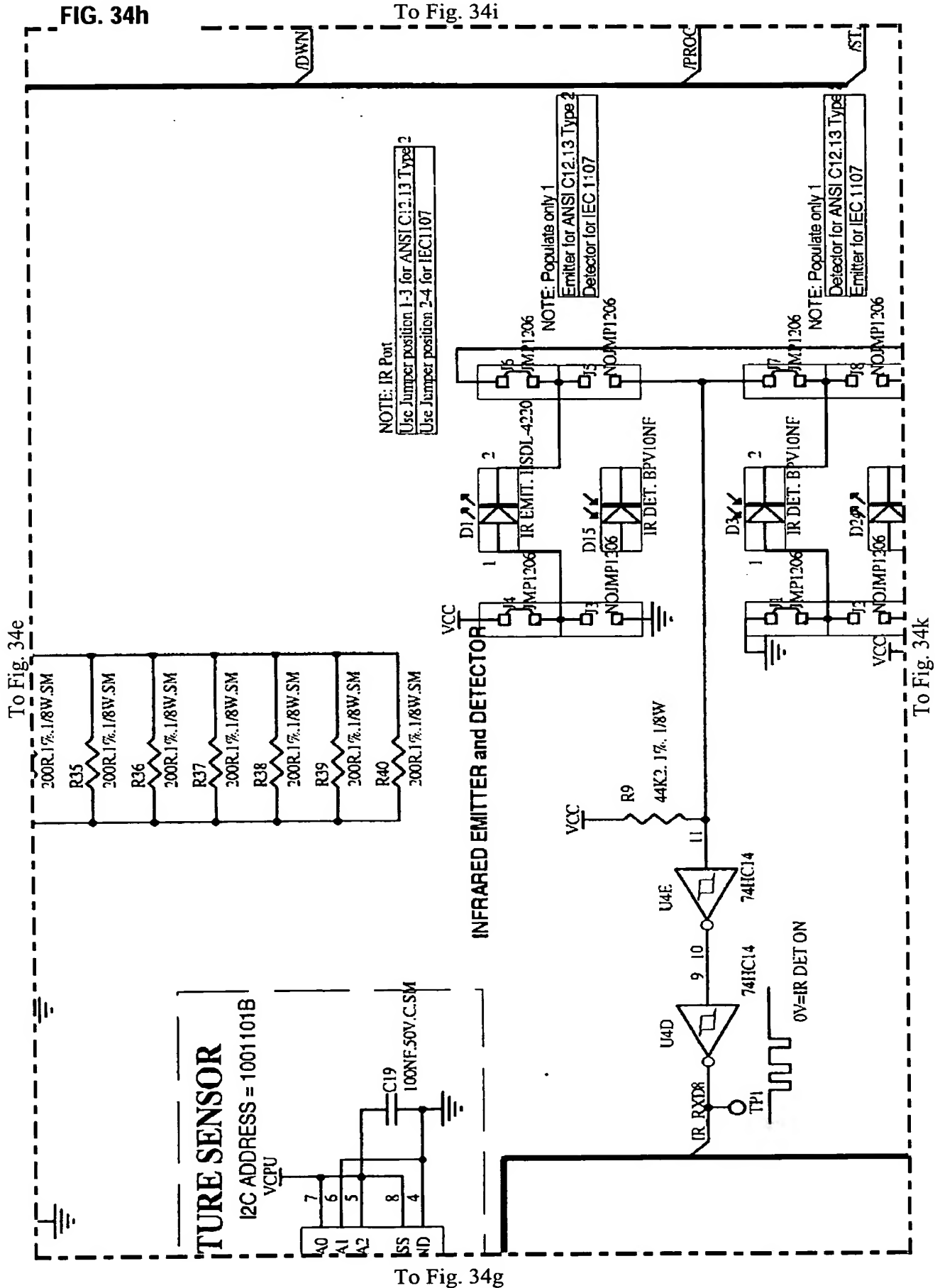
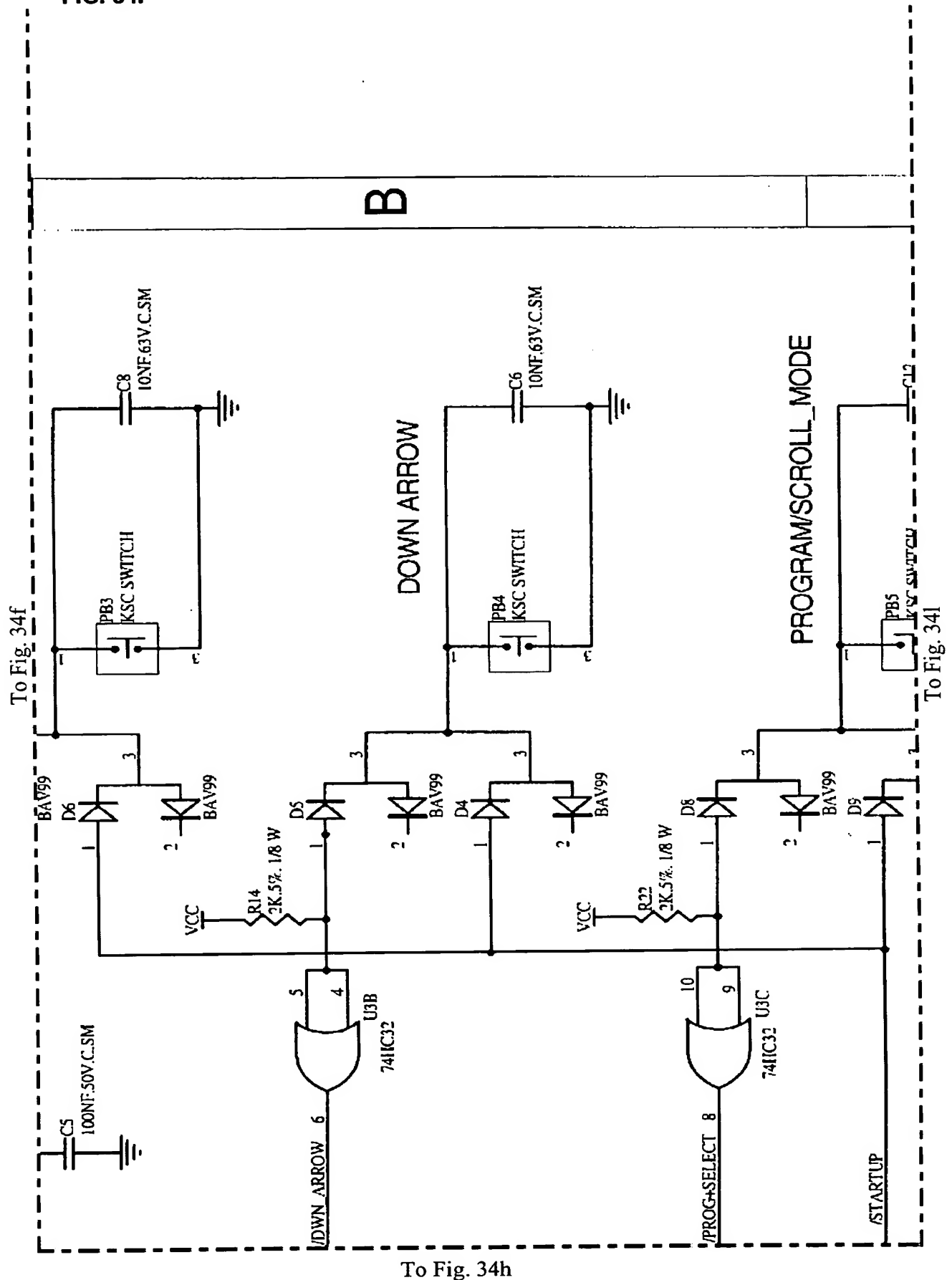
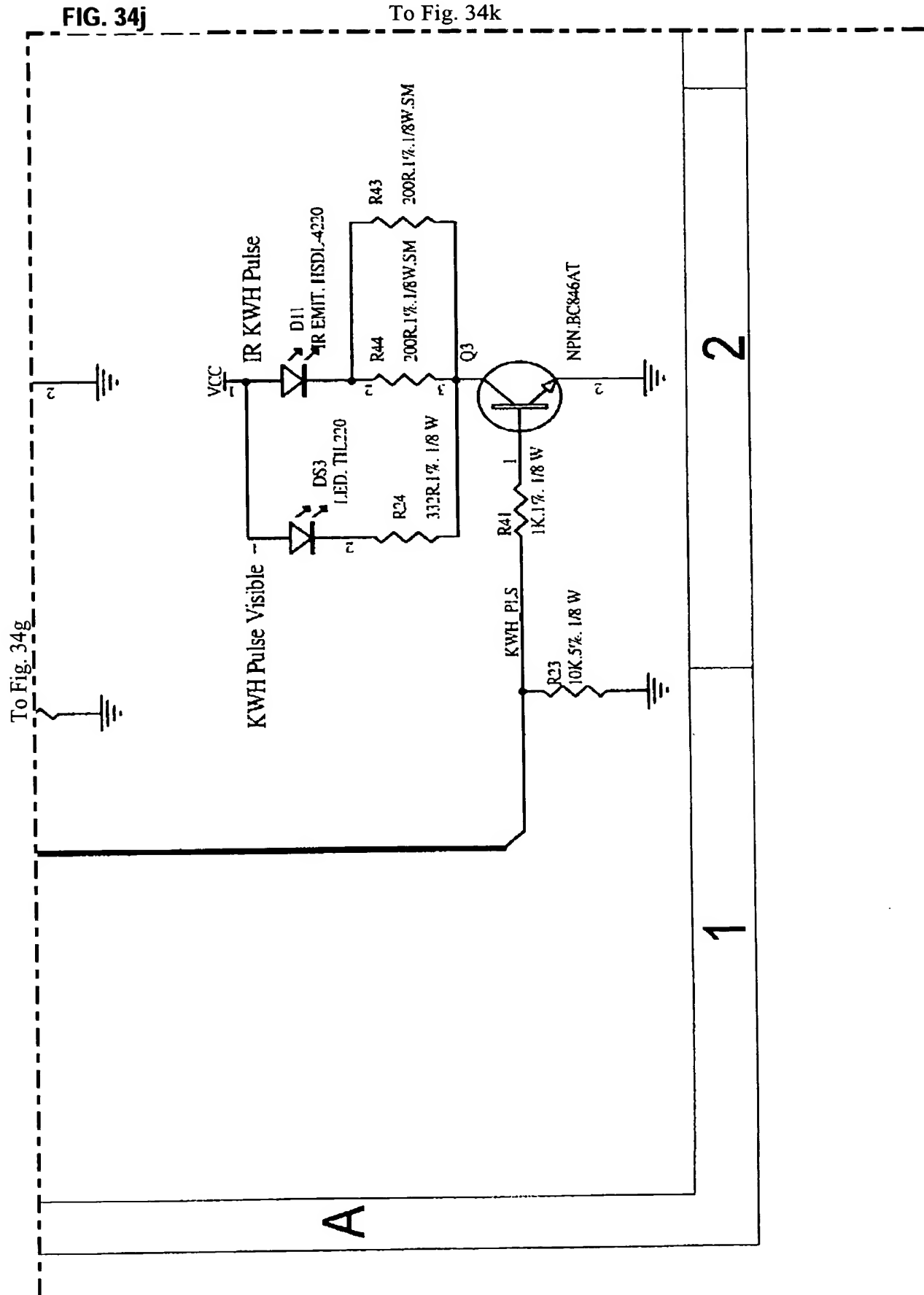


FIG. 34i



To Fig. 34h



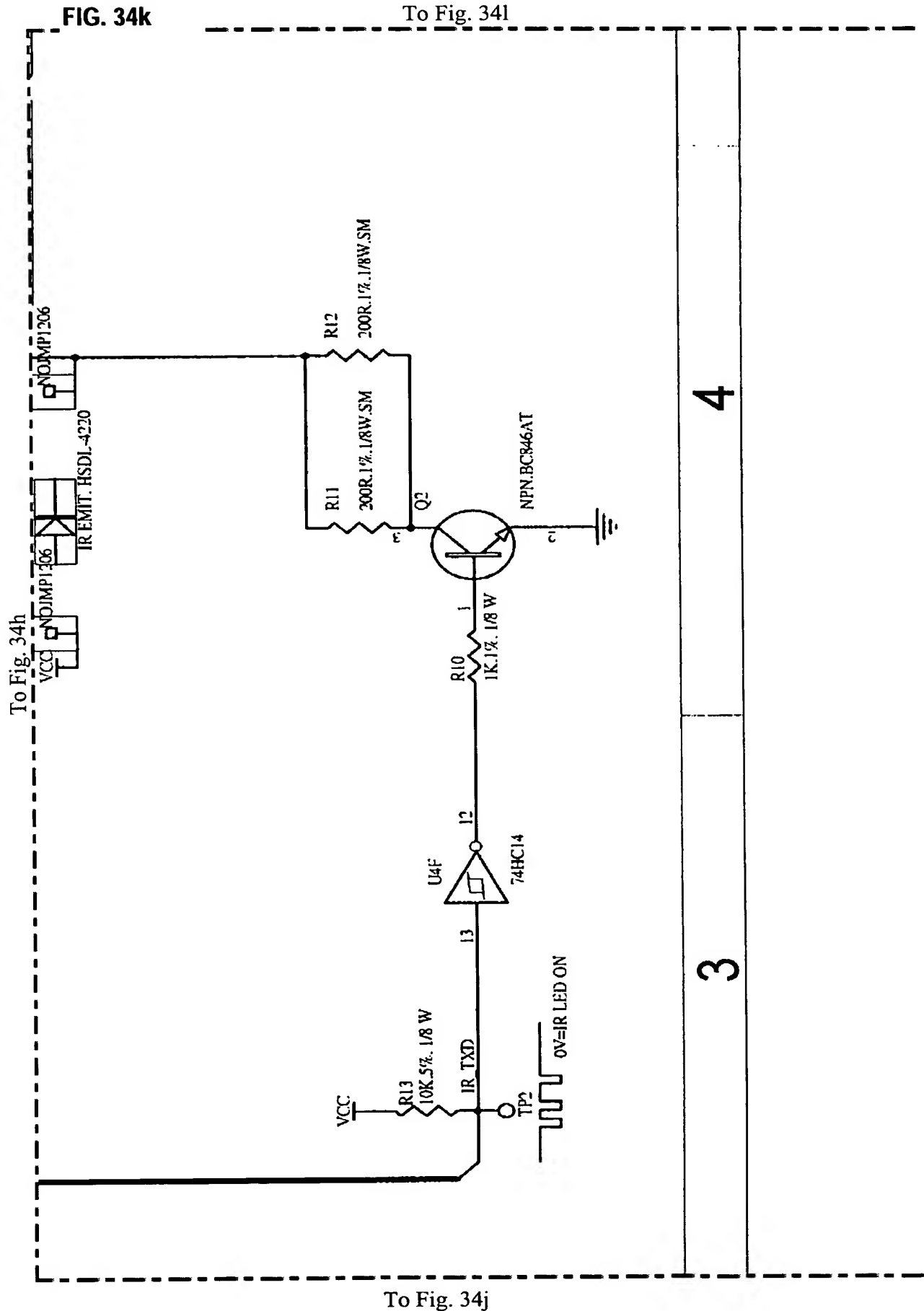


FIG. 34I

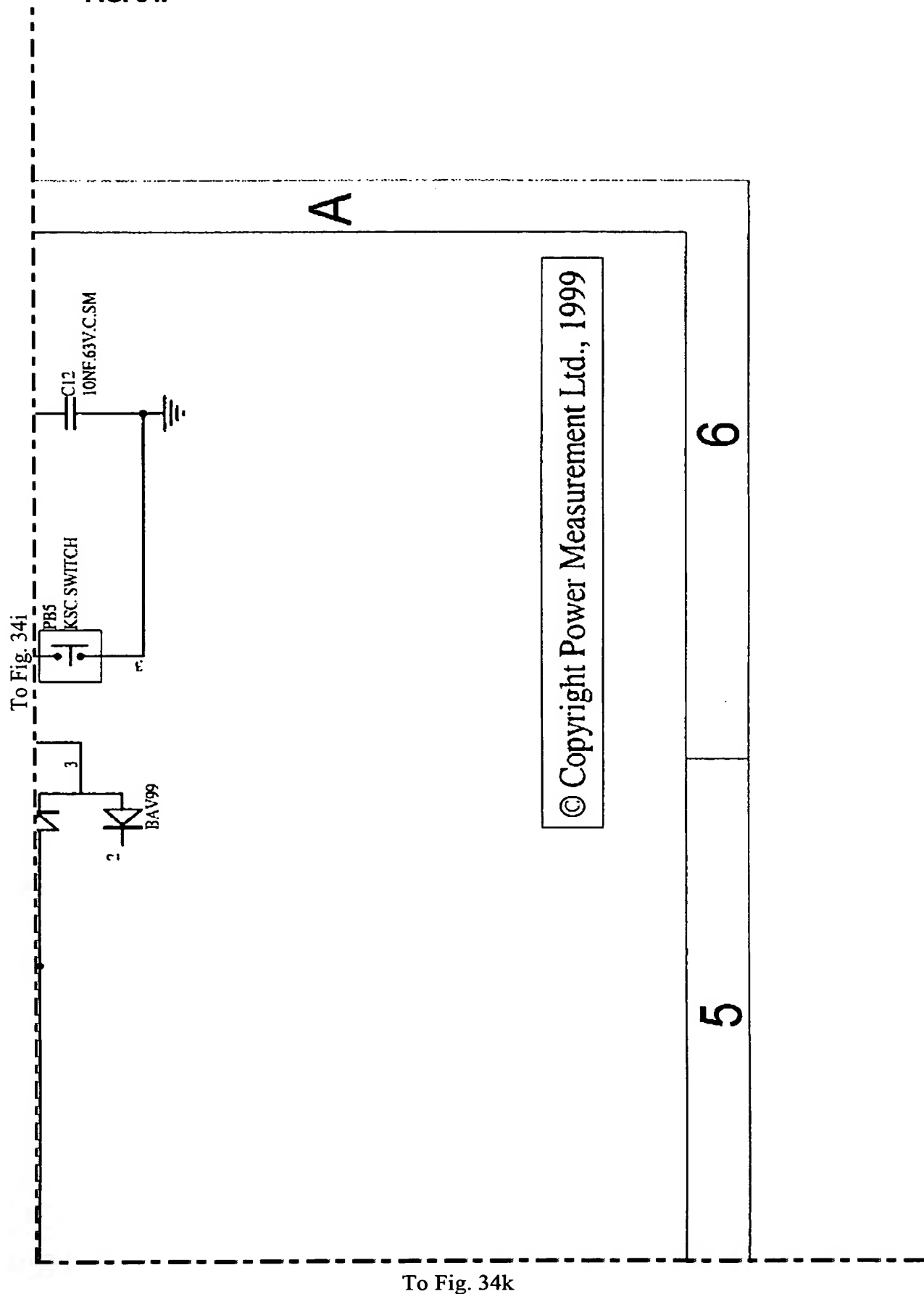


FIG. 35a

To Fig. 35b

2

1

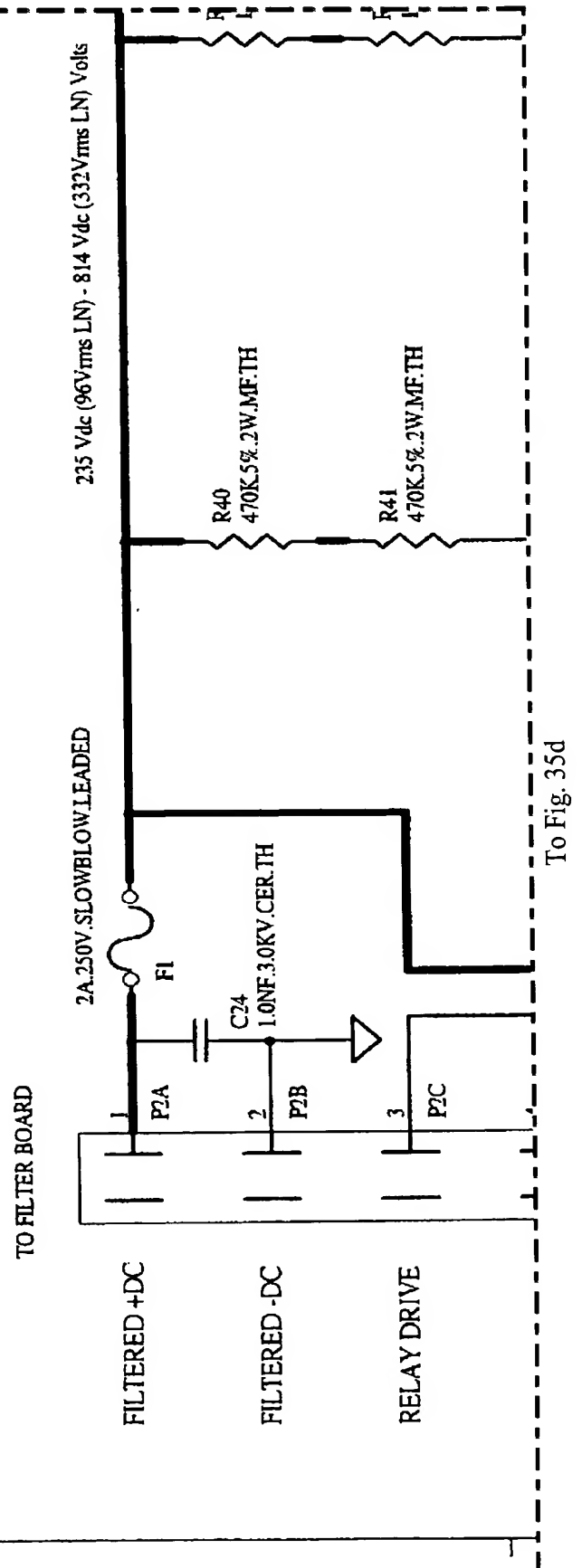


FIG. 35b

To Fig. 35c

4

3

MAINTAIN CLEARANCES ** HIGH VOLTAGES **

bls

R4
100K.5%.2W.MF.TH

R3
100K.5%.2W.MF.TH

R34
8K2.5%.2W.MF.TH

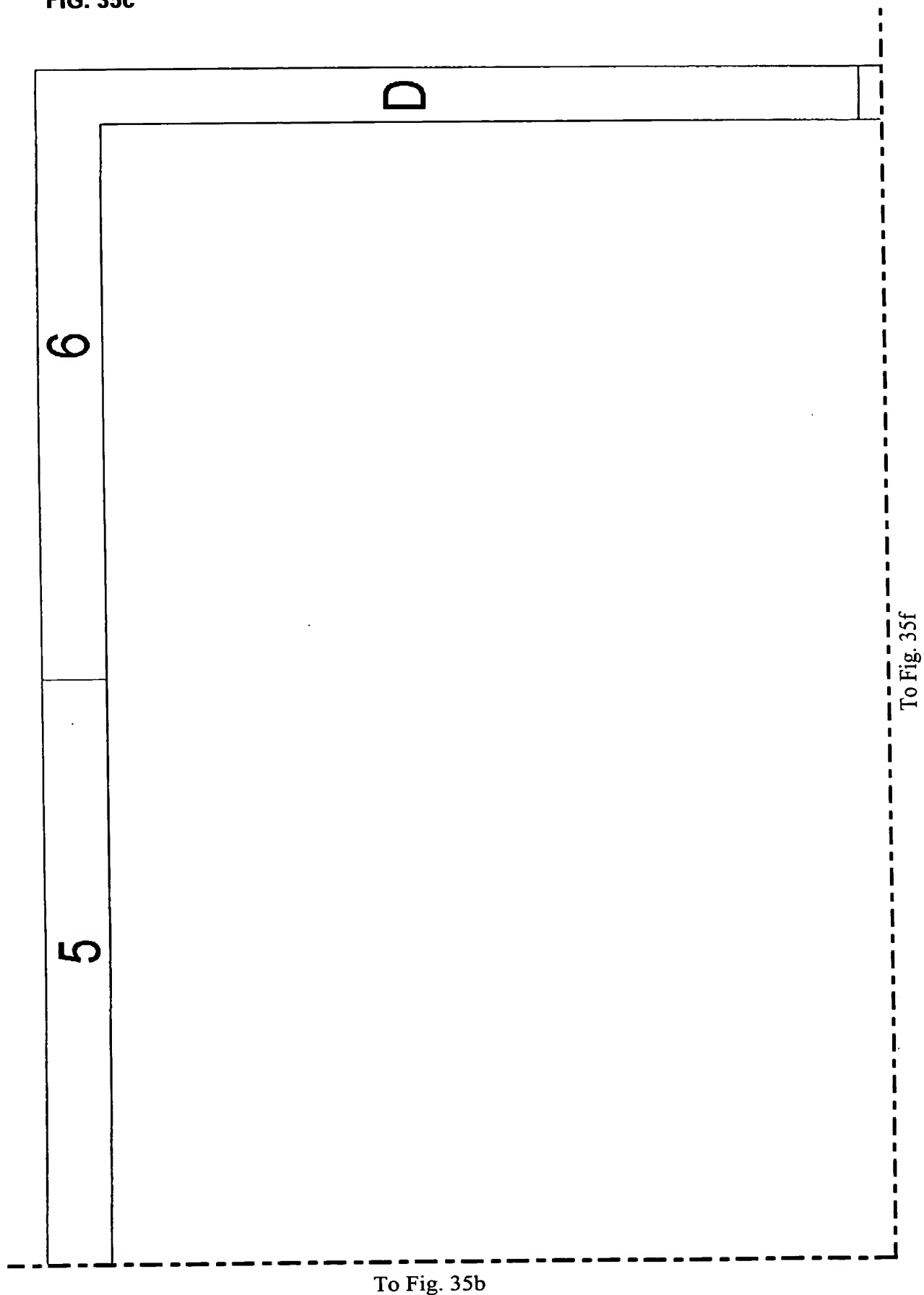
R5
100K.5%.2W.MF.TH

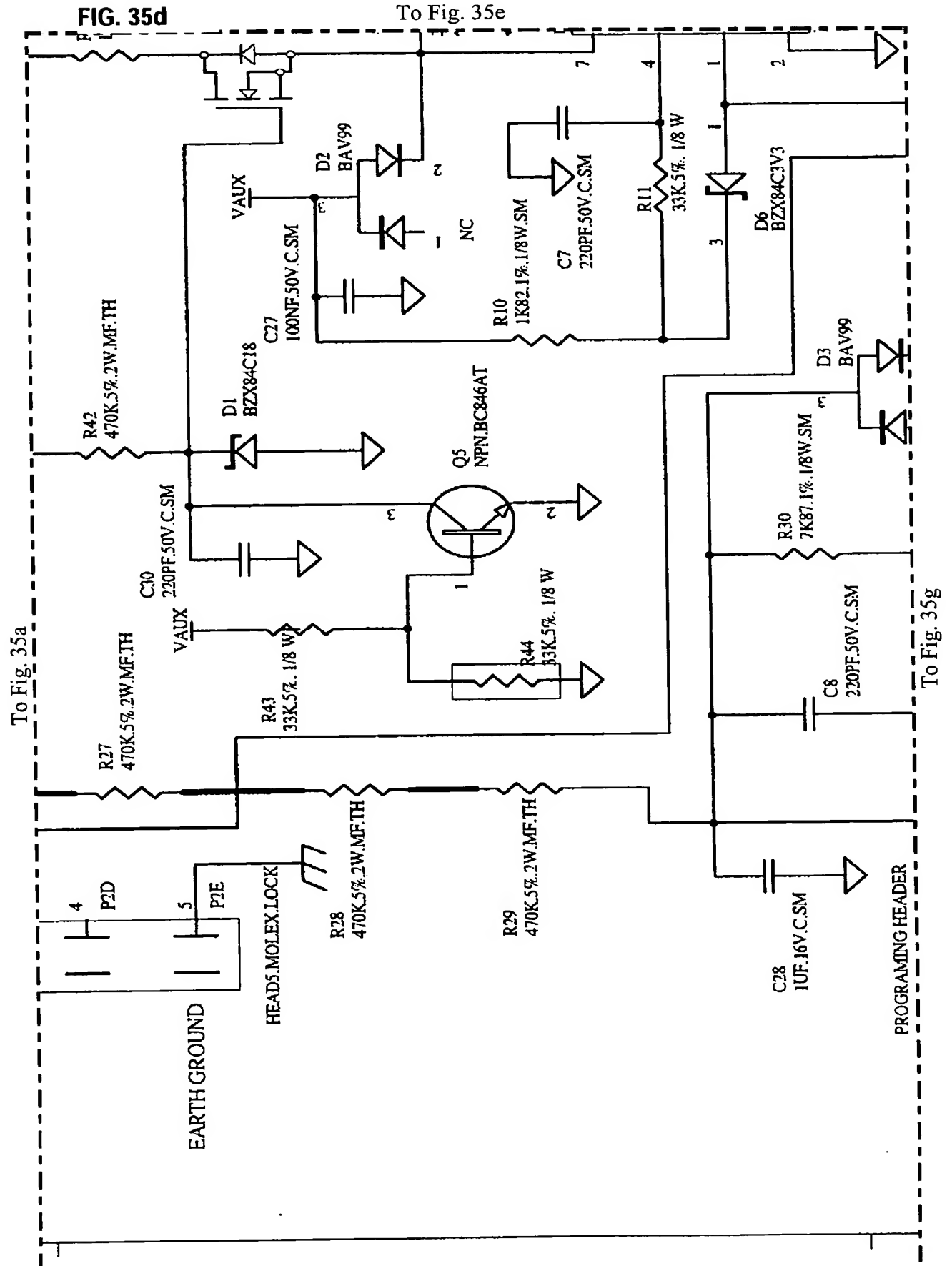
C1
1.0NF.3.0KV.CER.TH

To Fig. 35e

To Fig. 35a

FIG. 35c





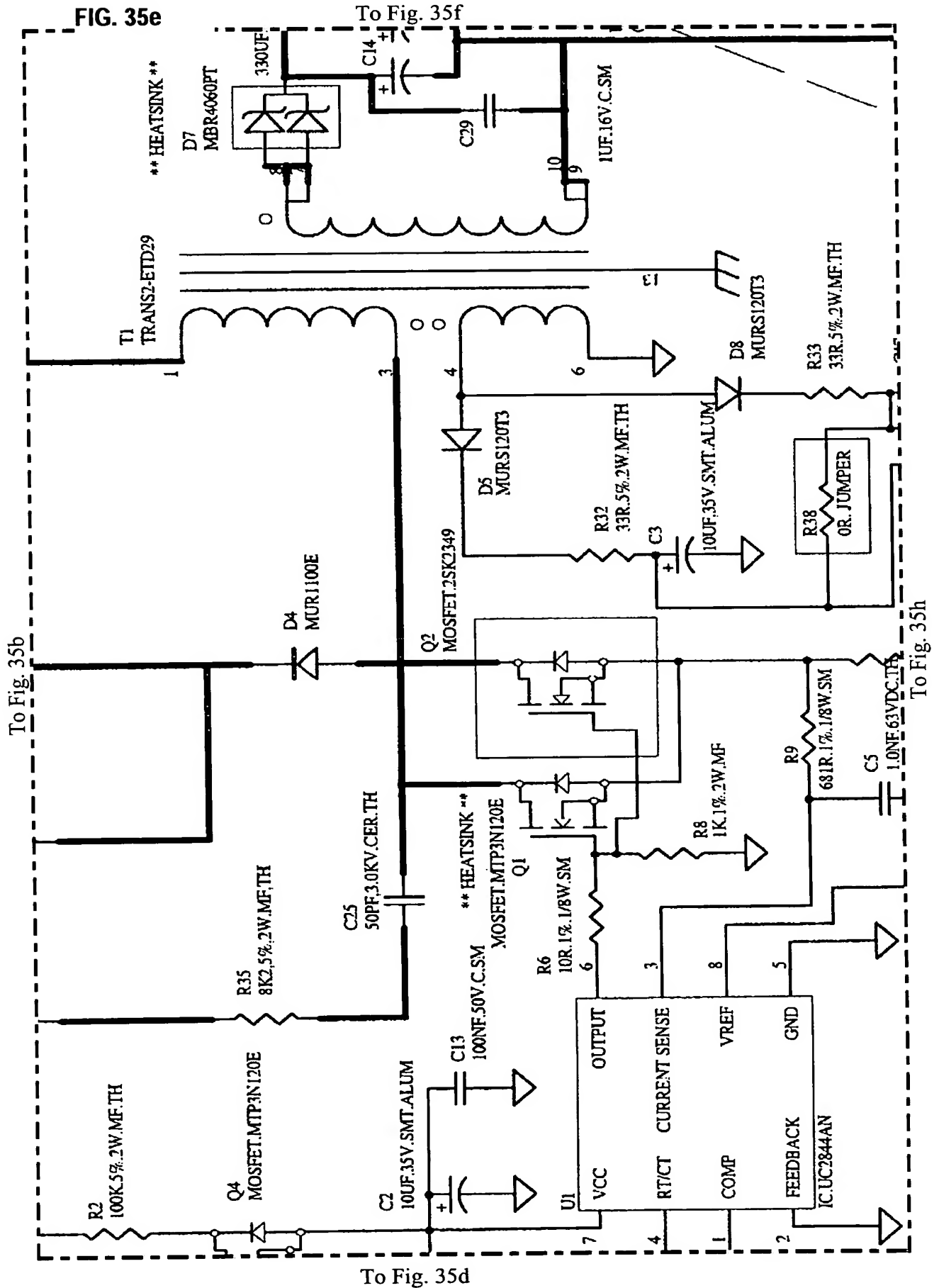
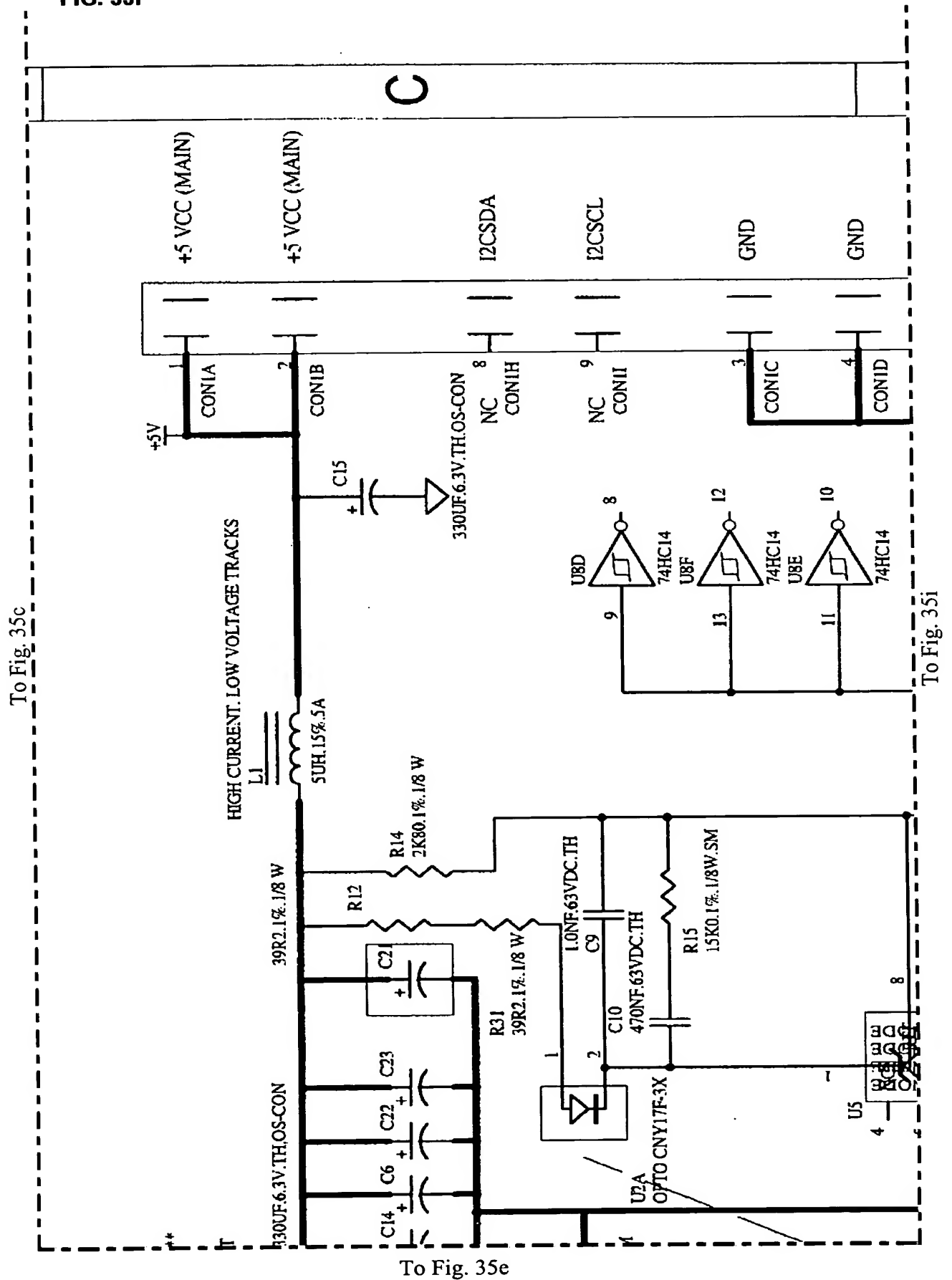
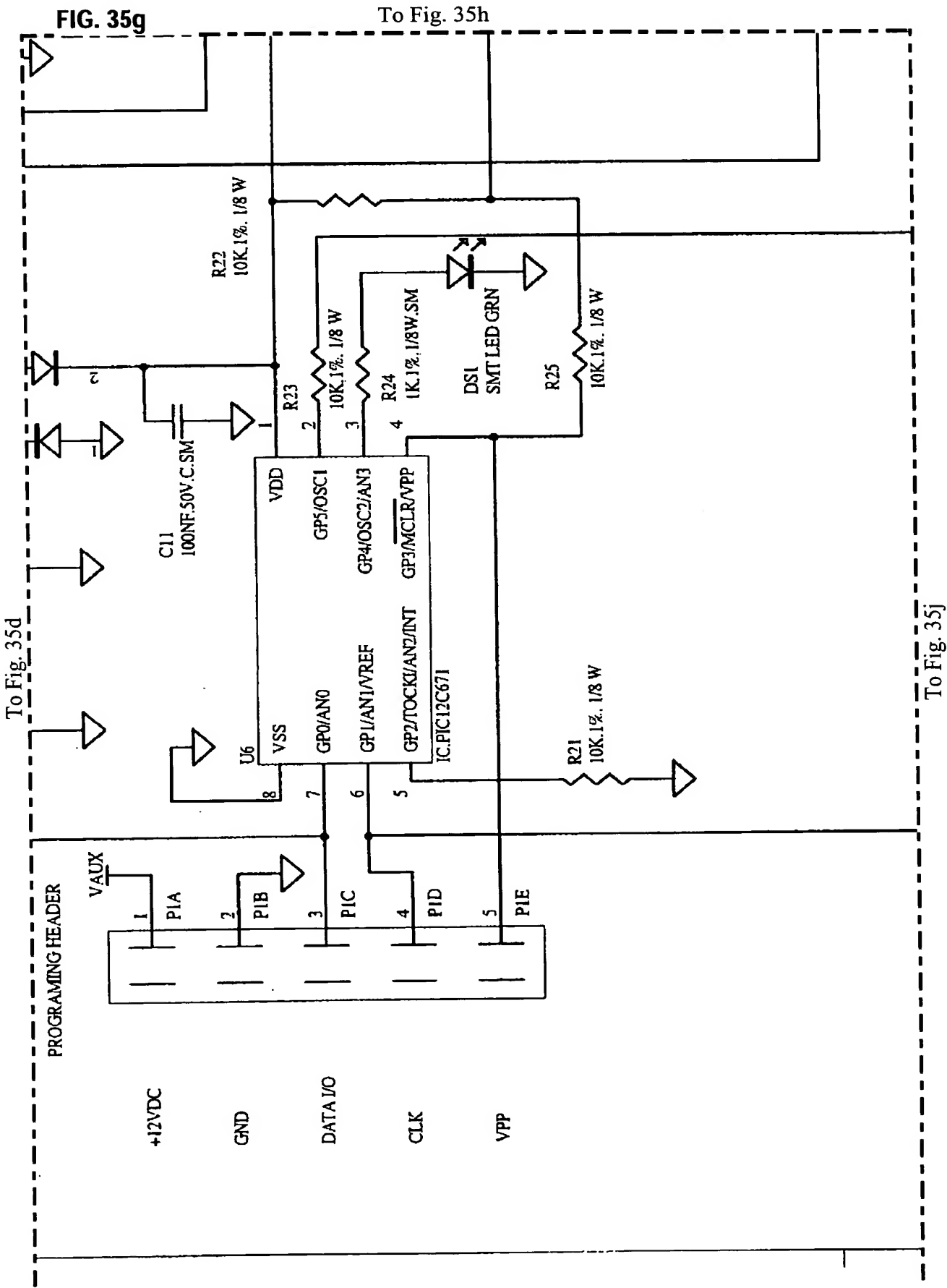


FIG. 35f





Inventor(s): David W. Giles et al
Attorney Docket No.: OUR CASE NO. 6270/125

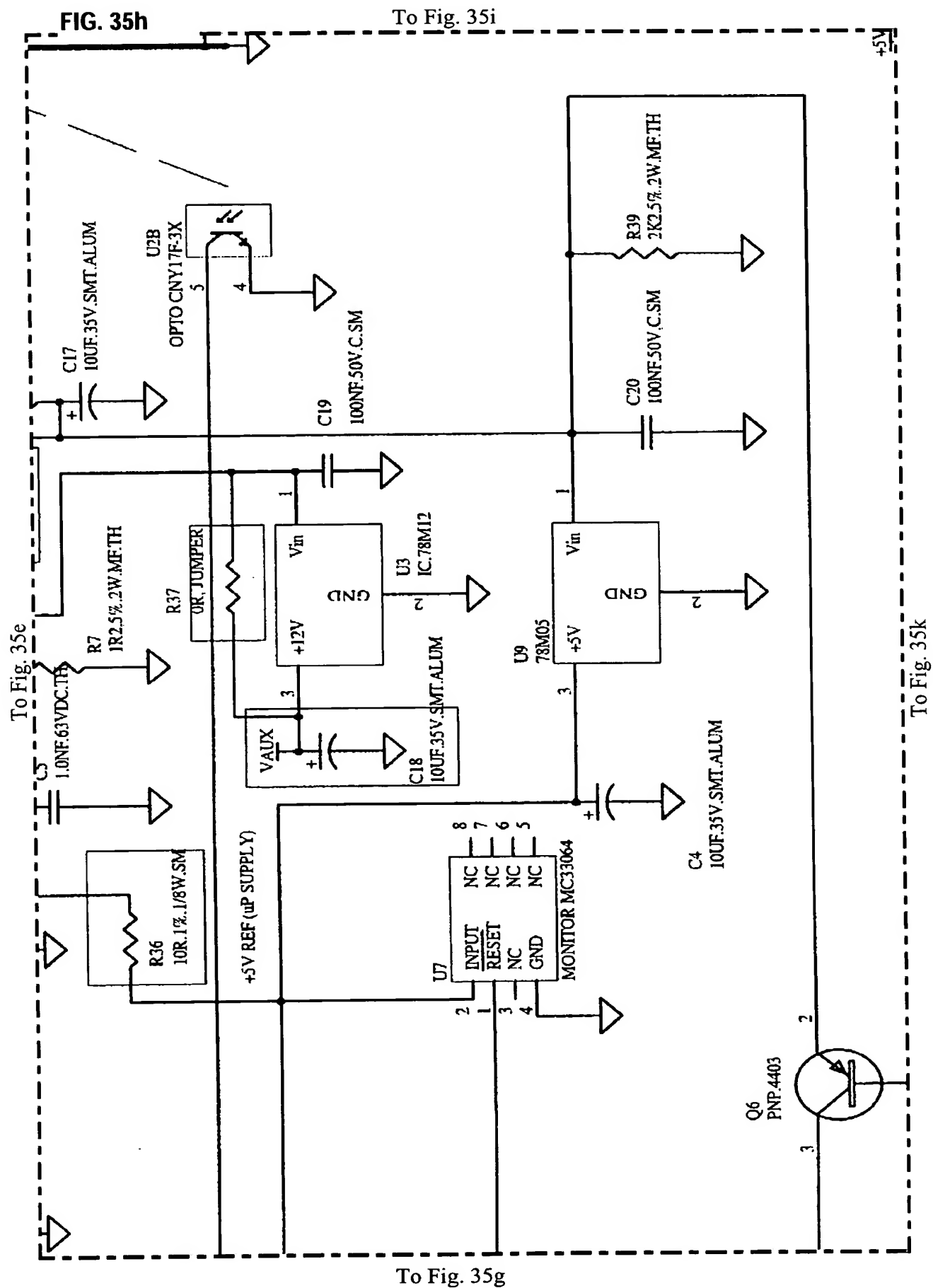
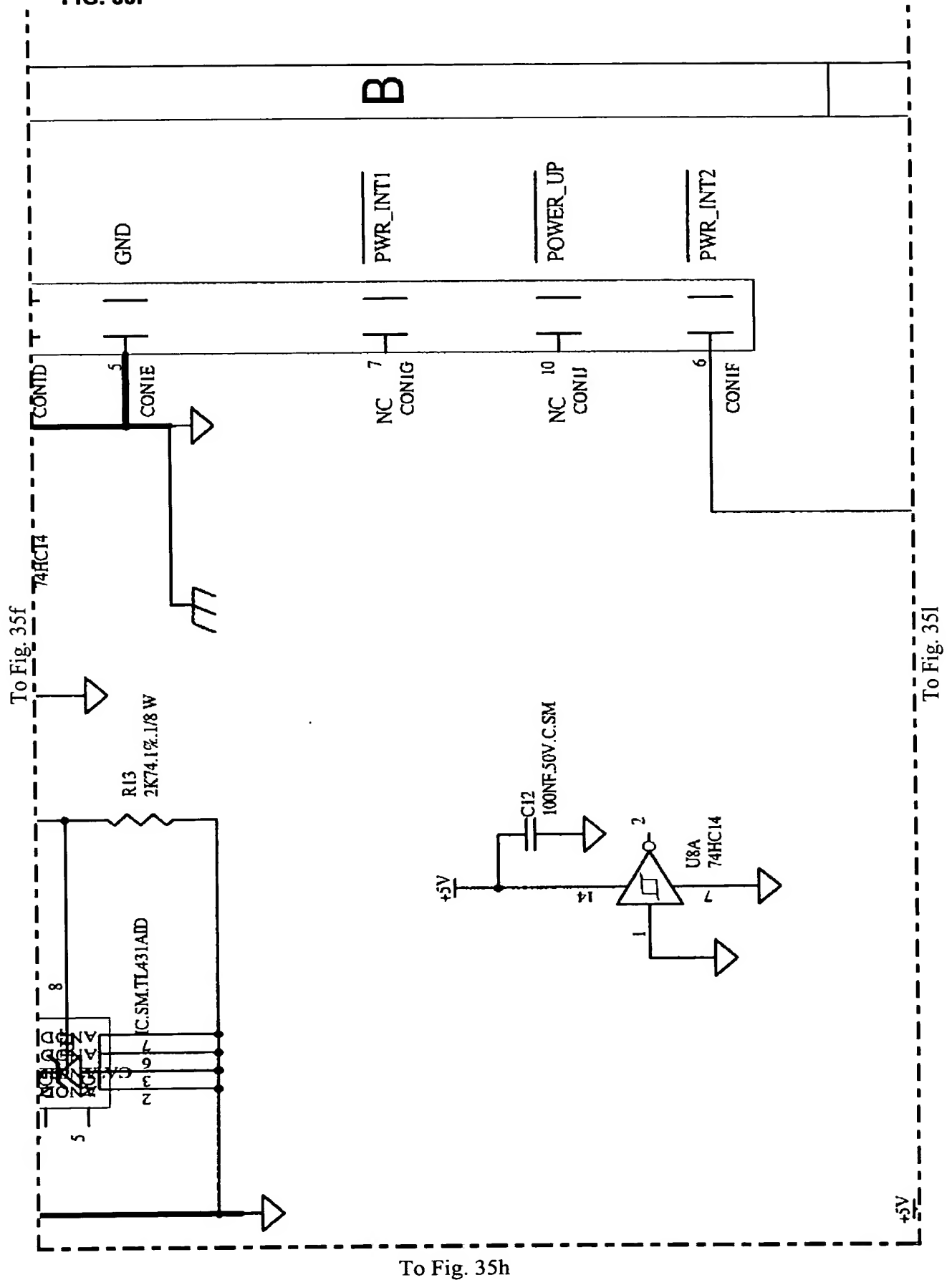
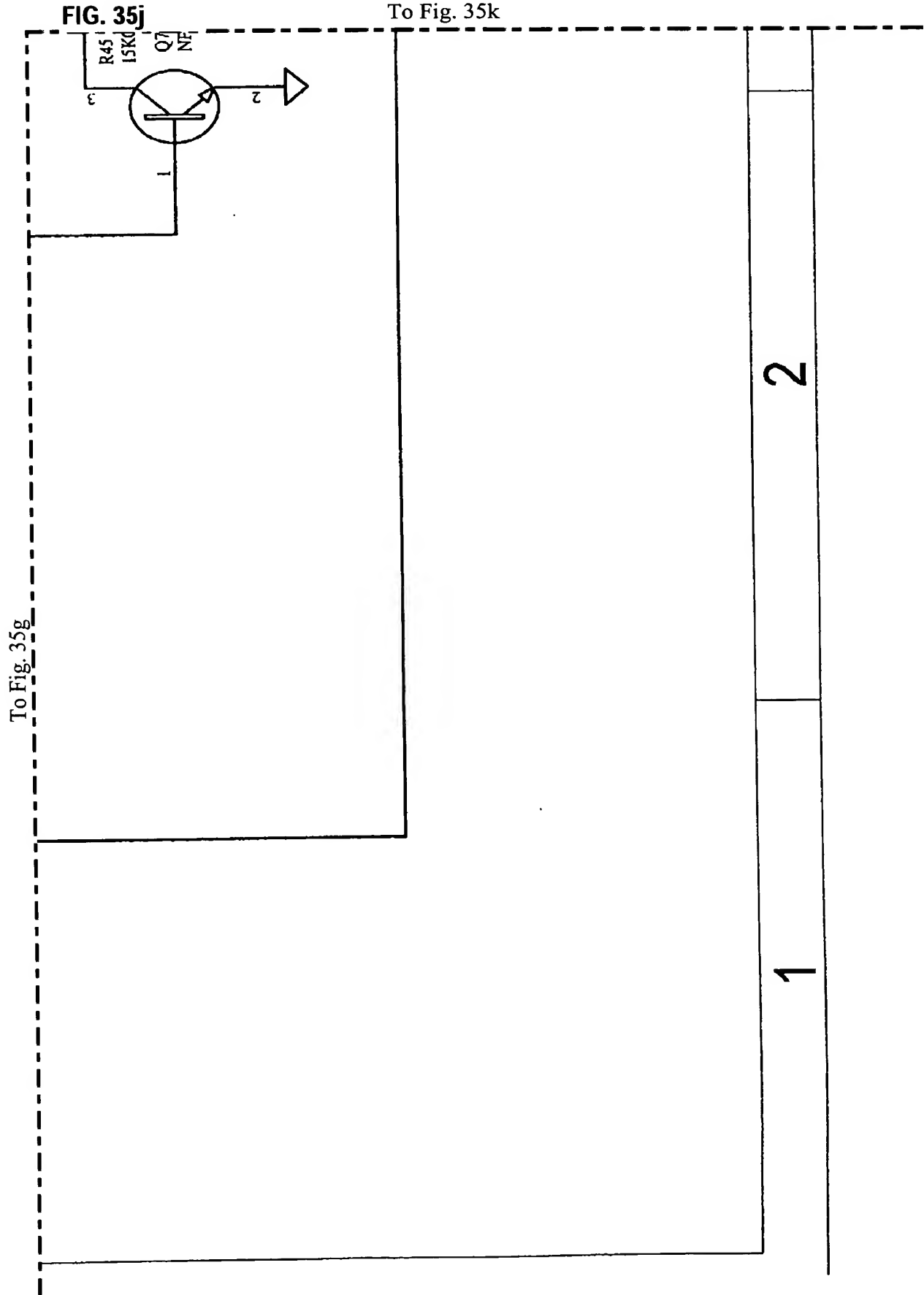


FIG. 35i





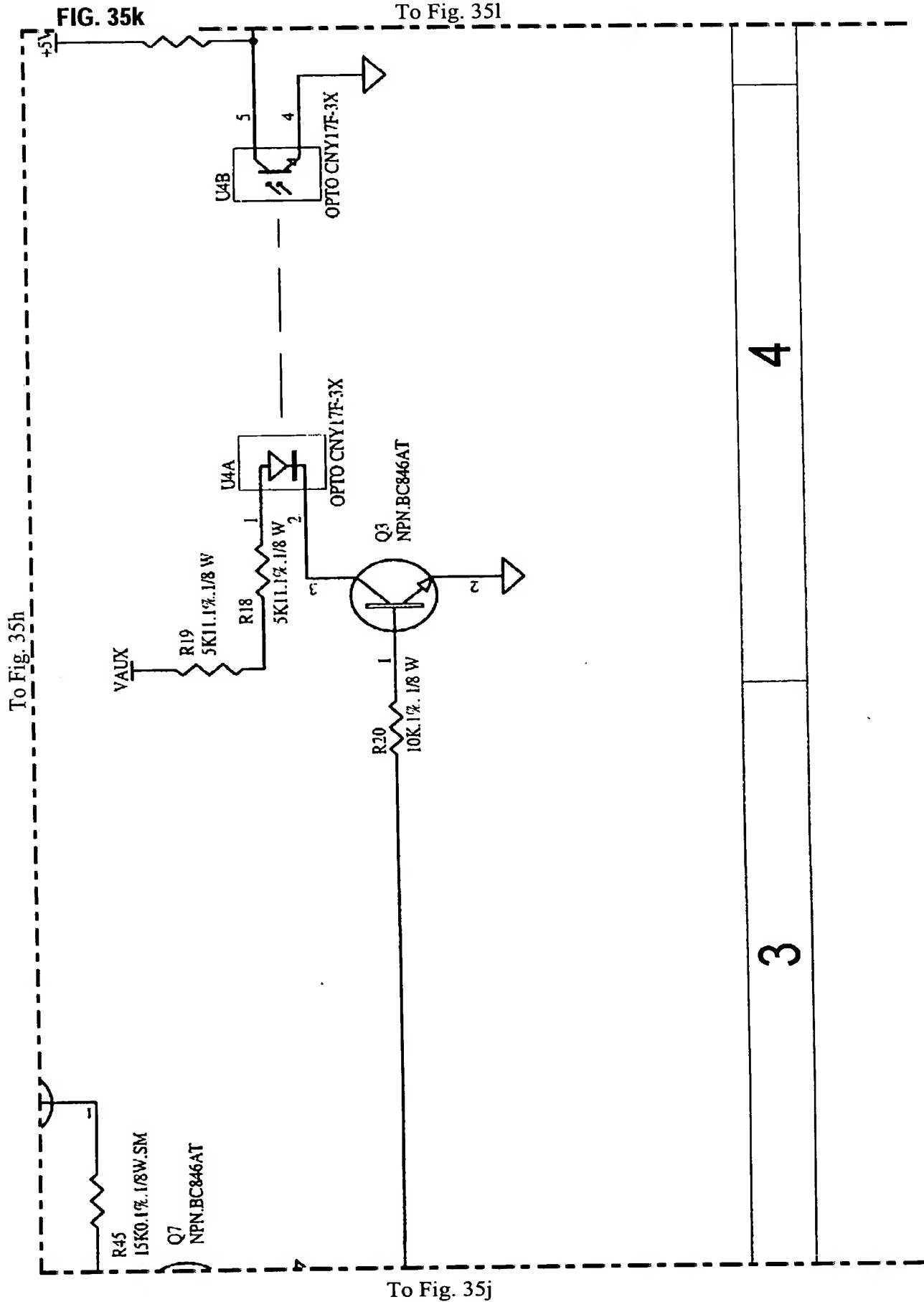
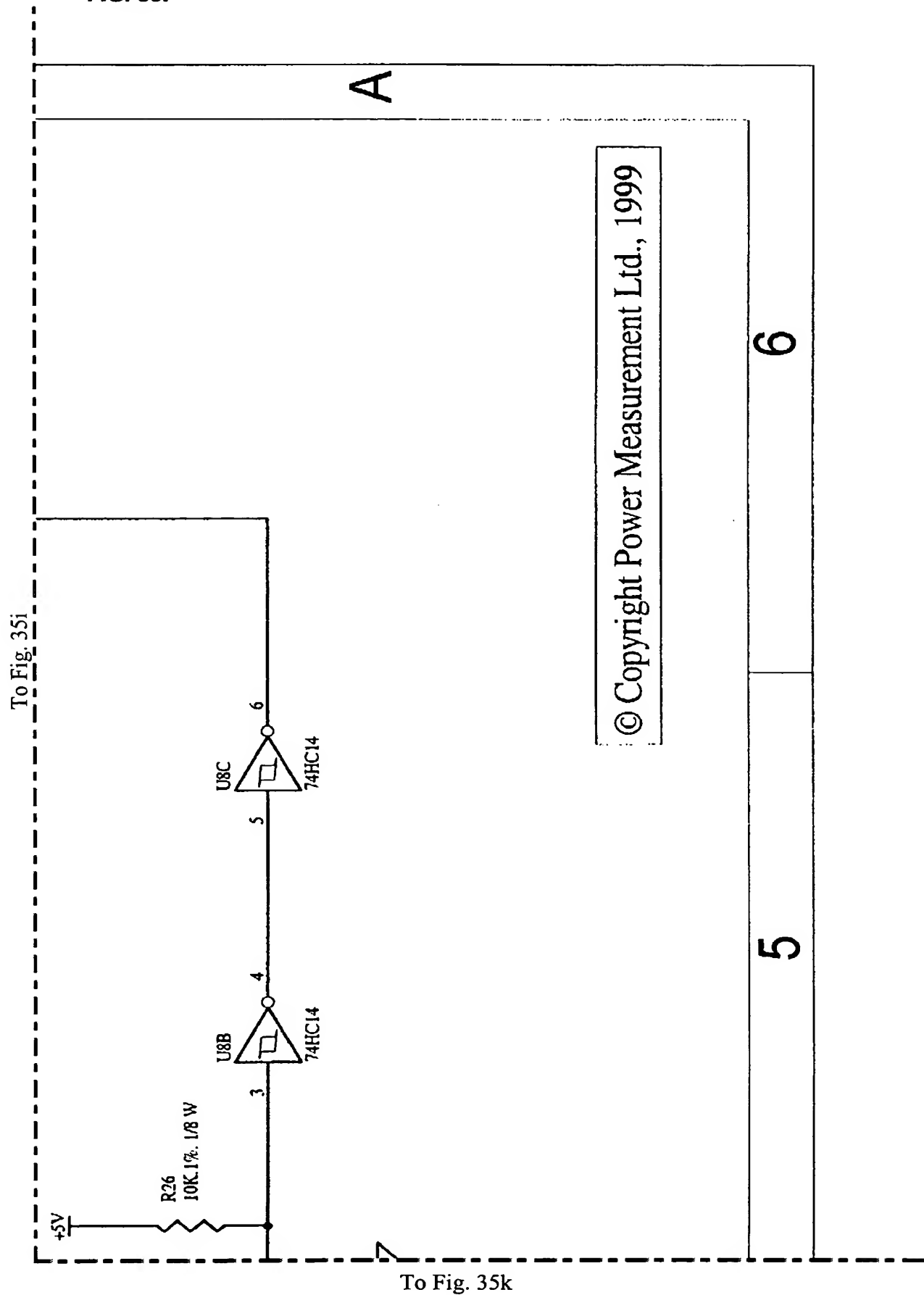
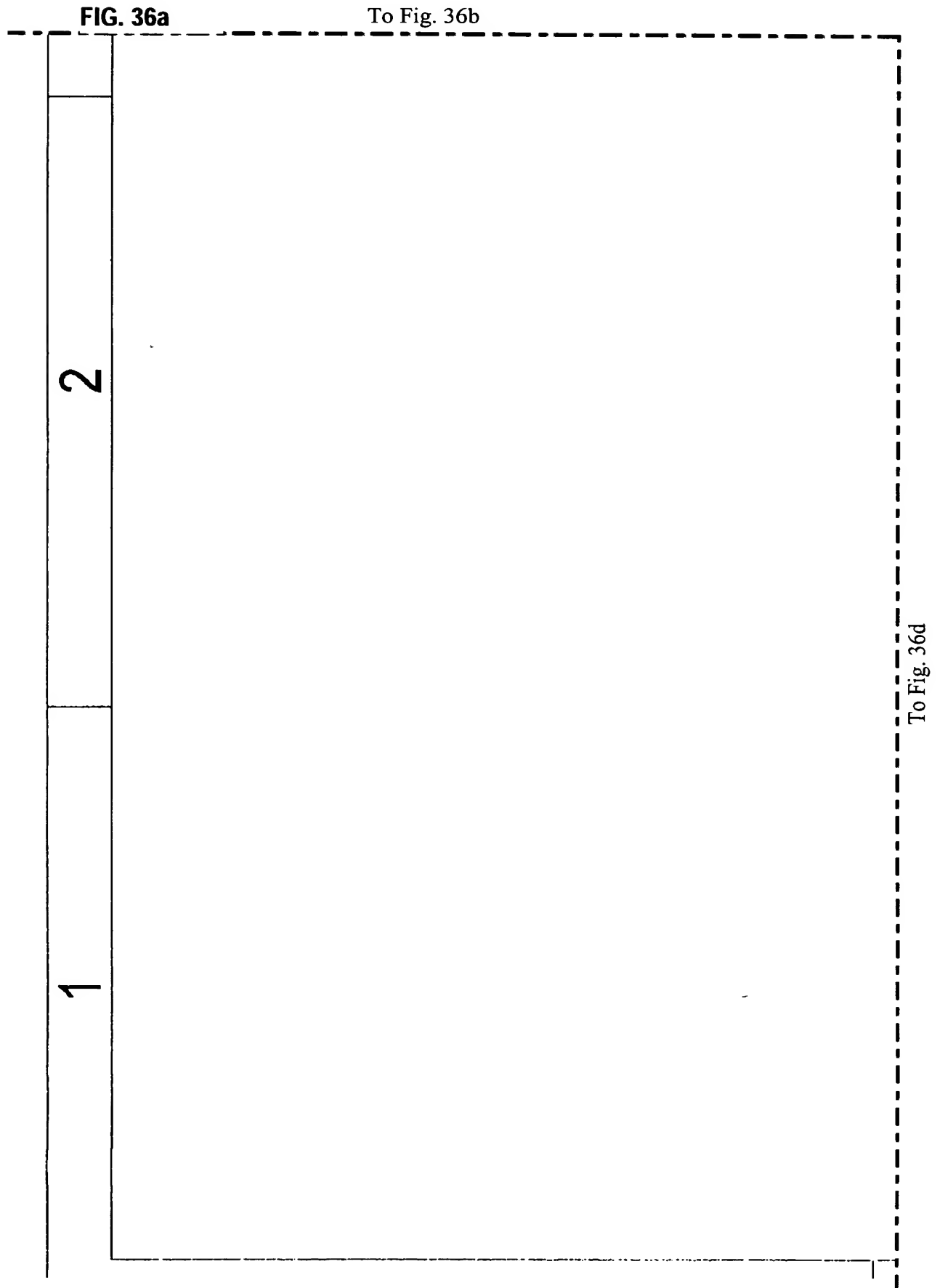


FIG. 35I





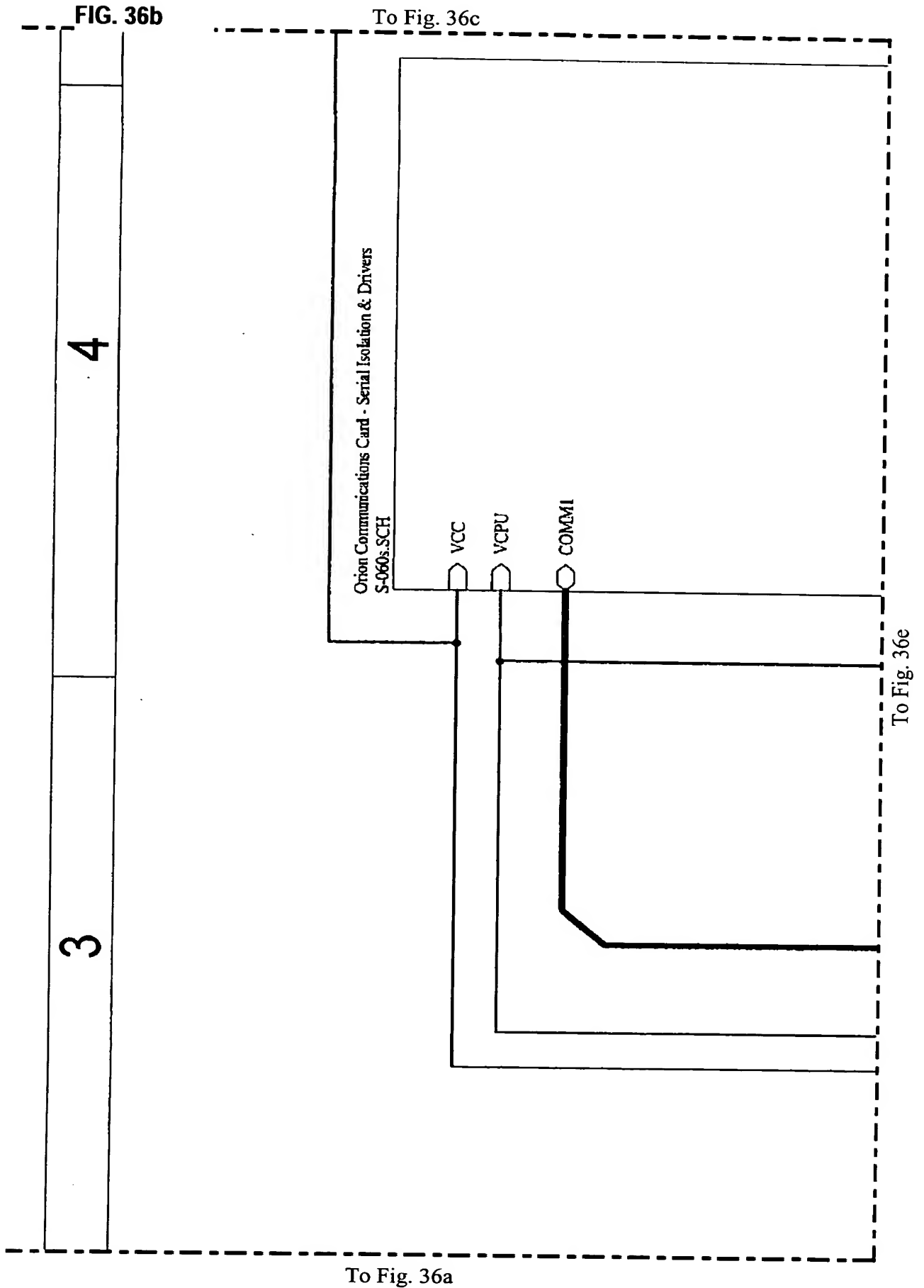
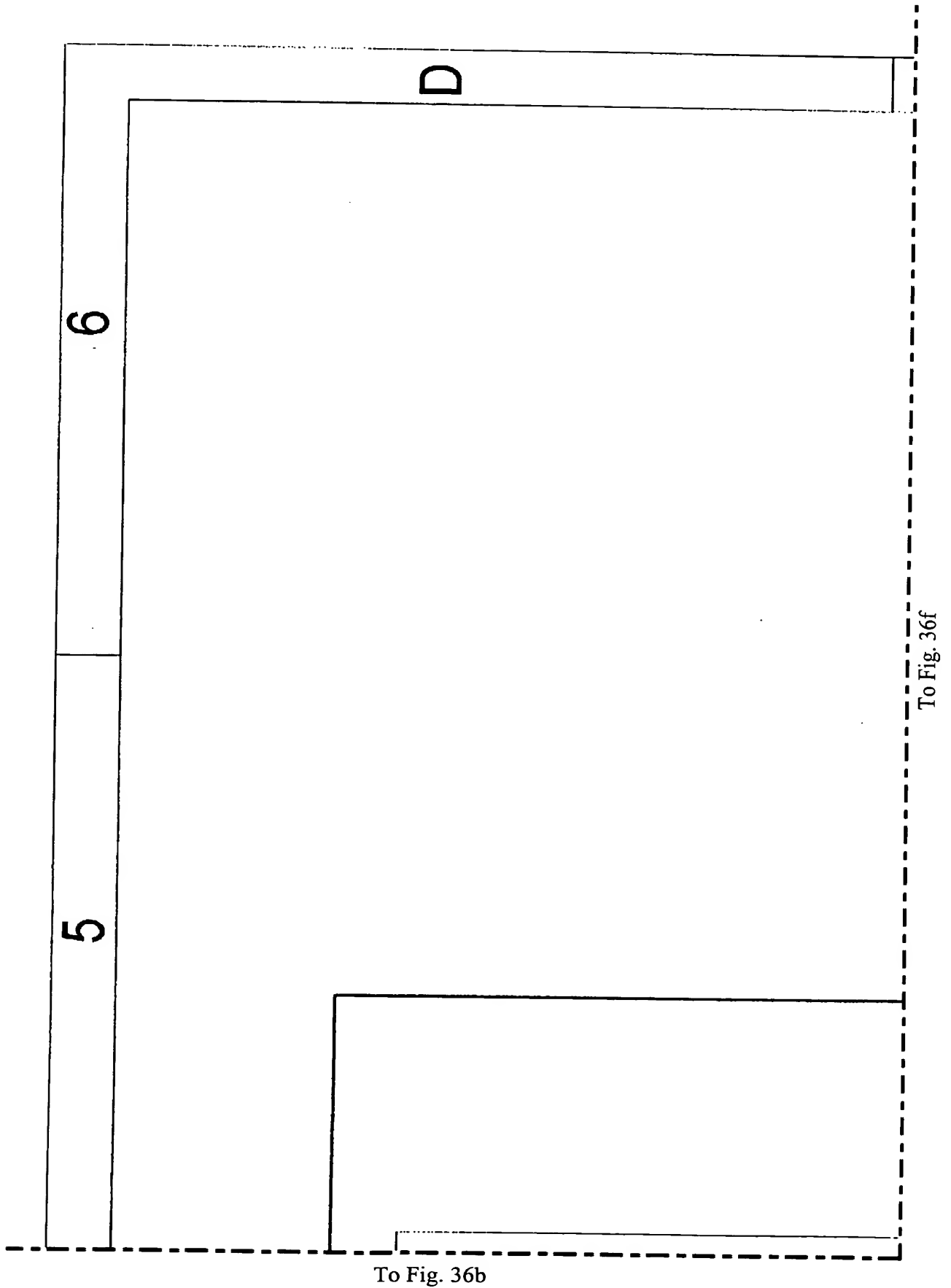
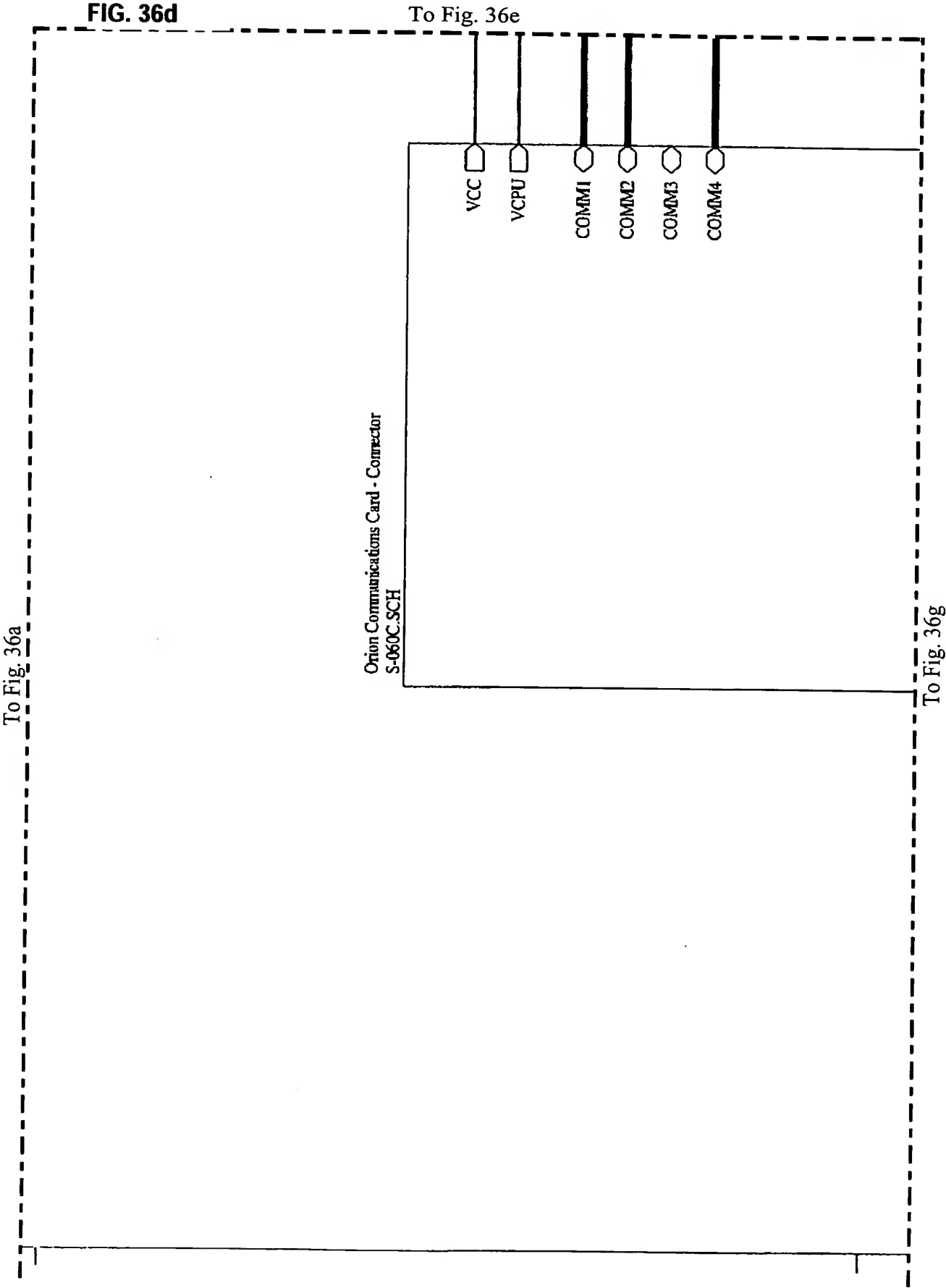


FIG. 36c





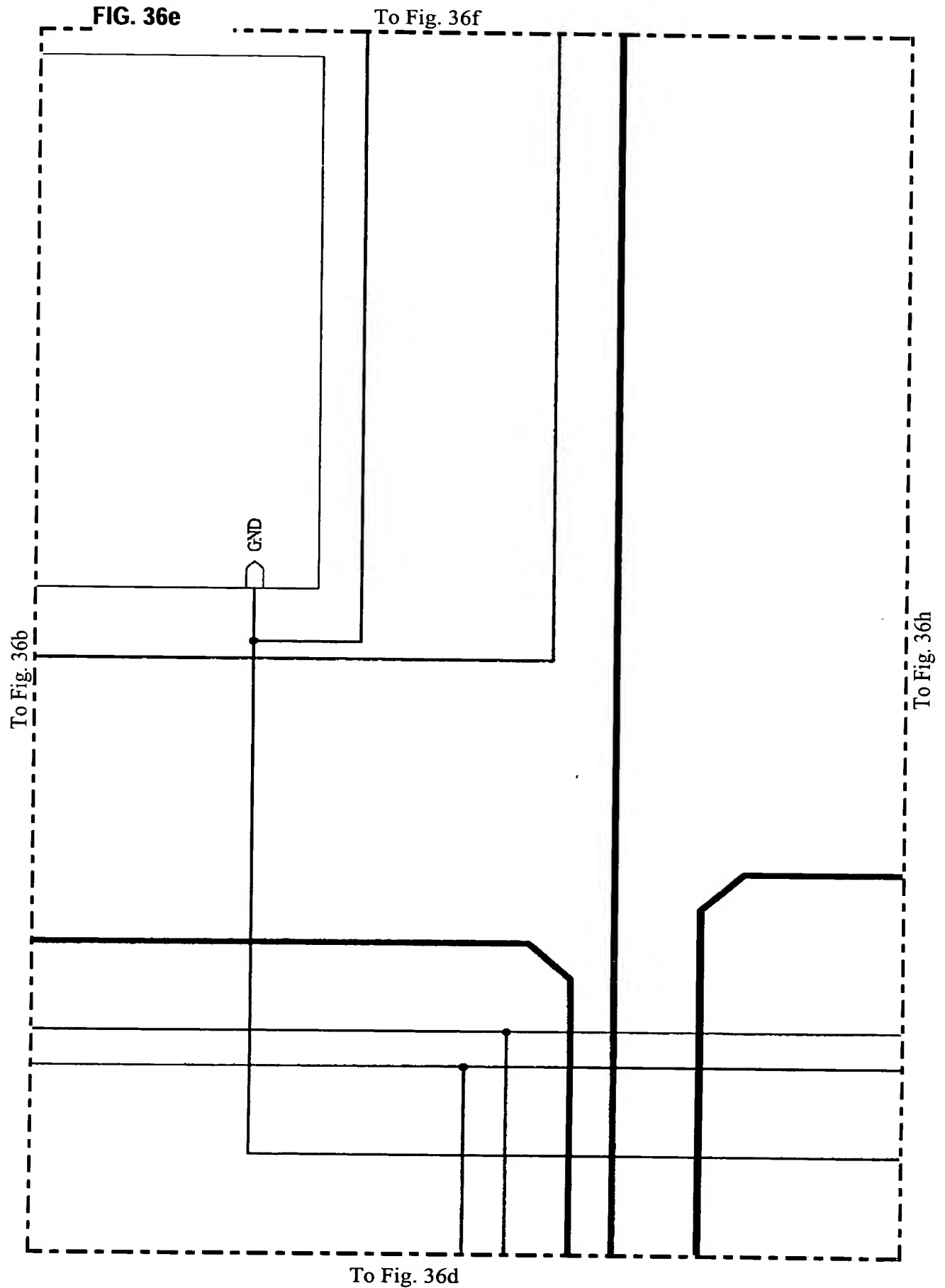
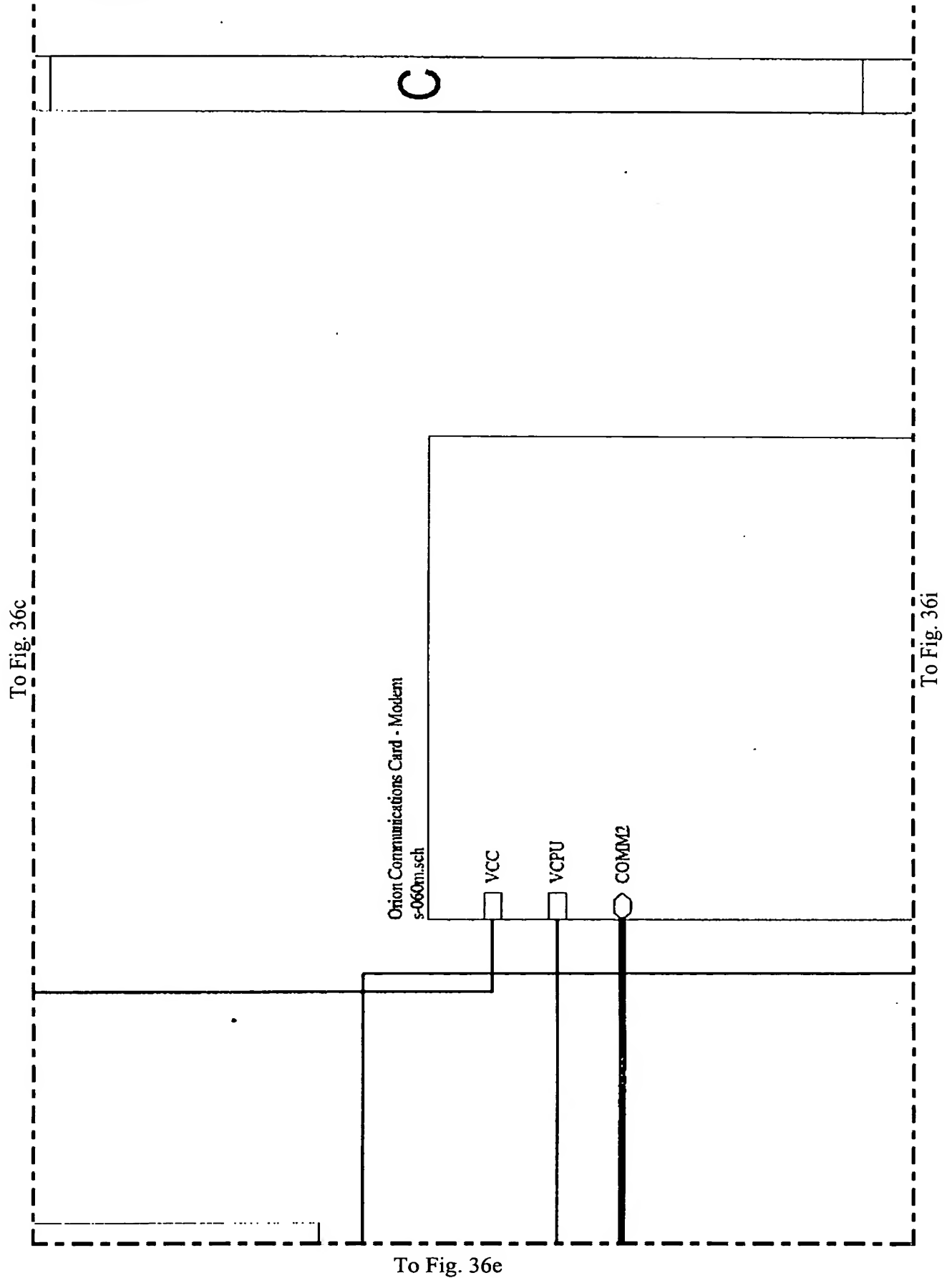
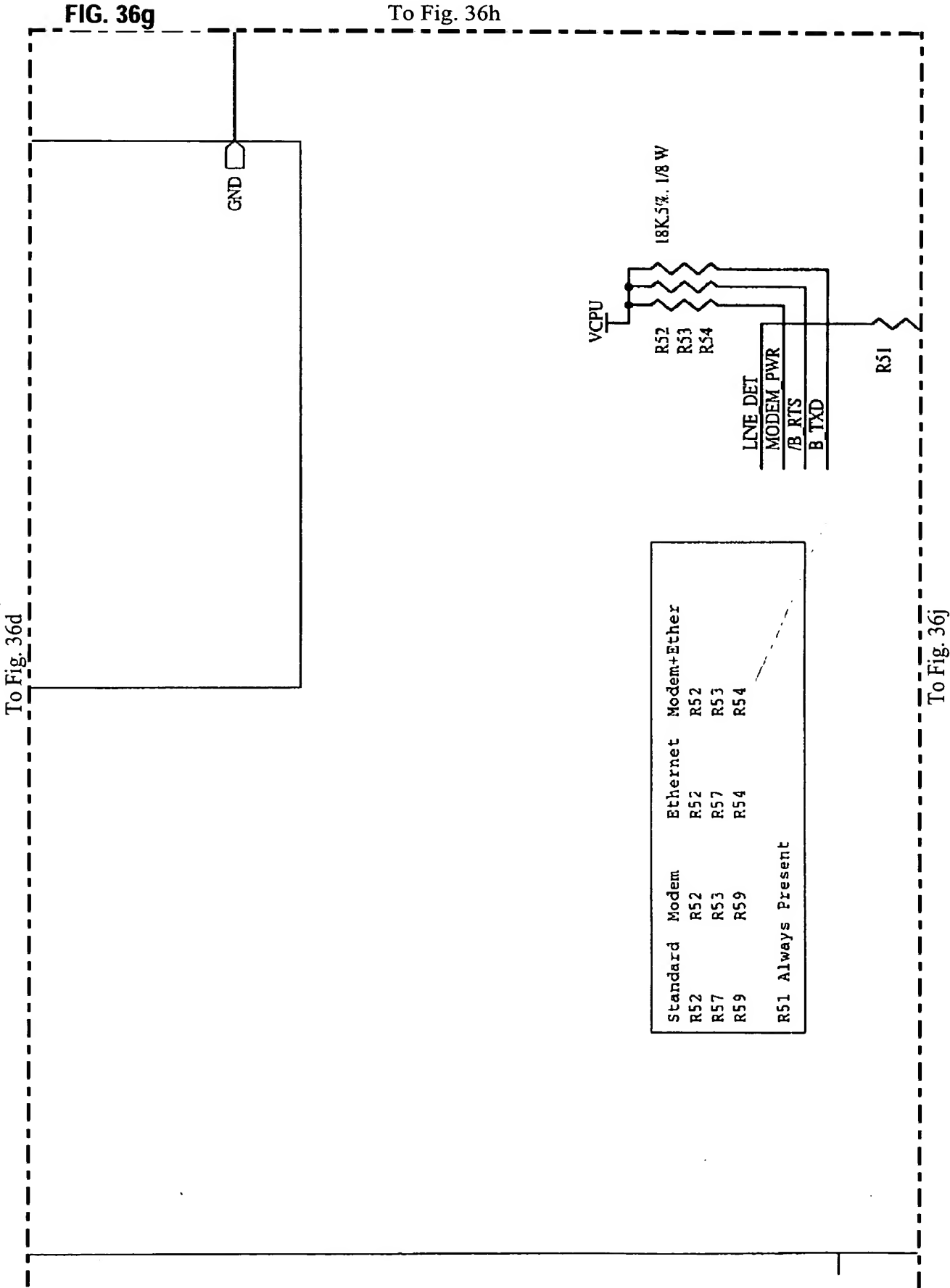


FIG. 36f





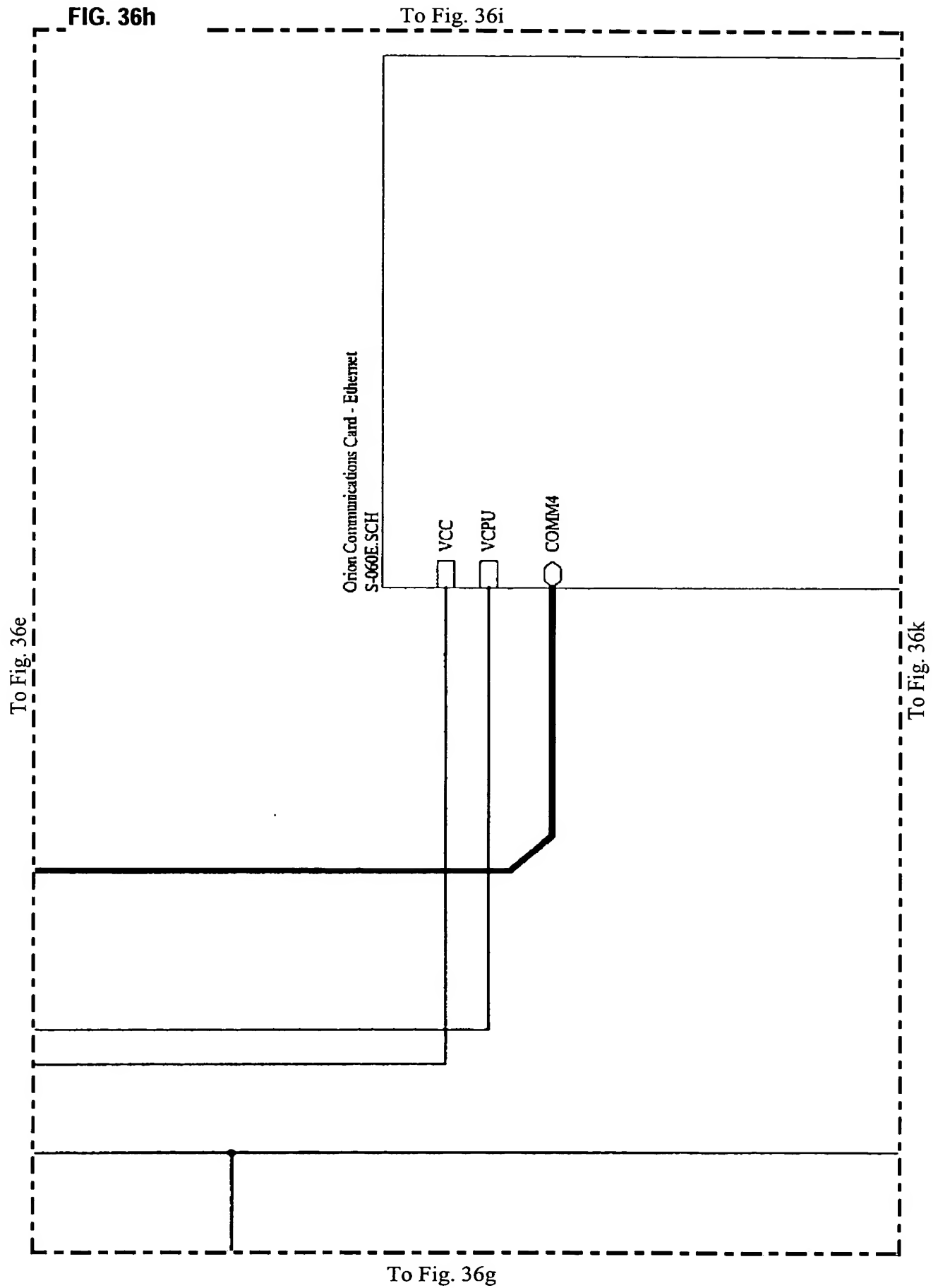


FIG. 36i

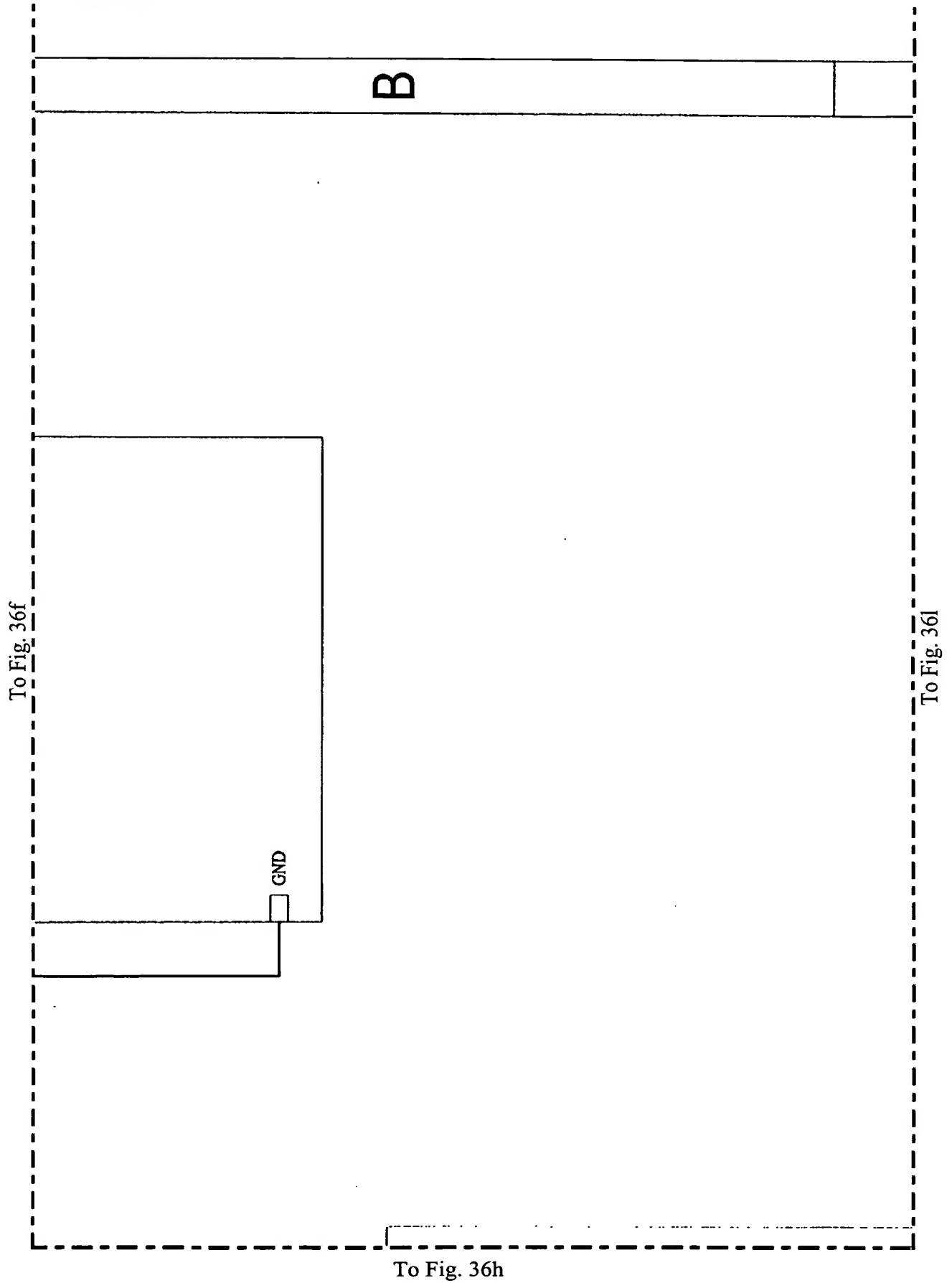
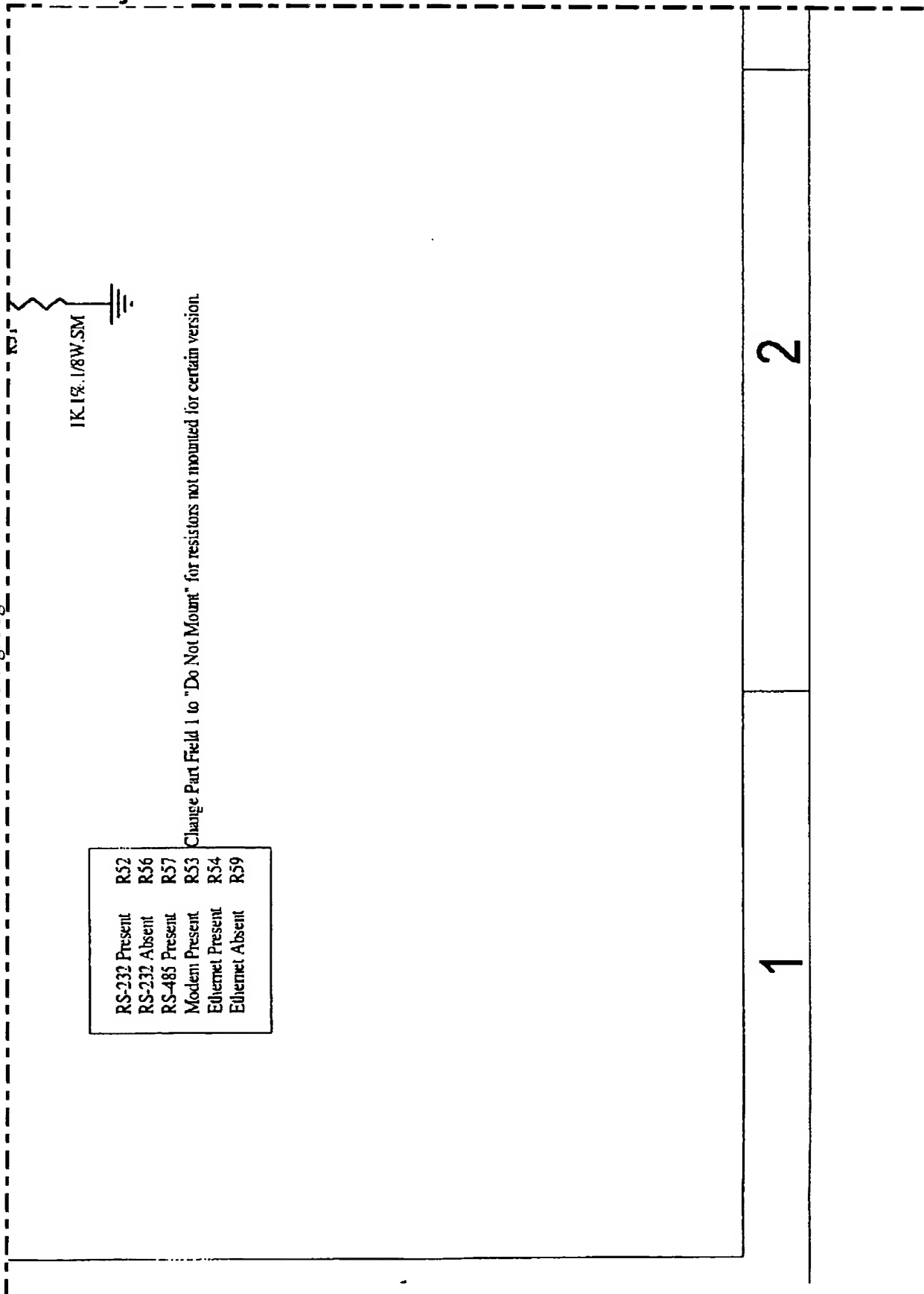


FIG. 36j

To Fig. 36k

To Fig. 36g



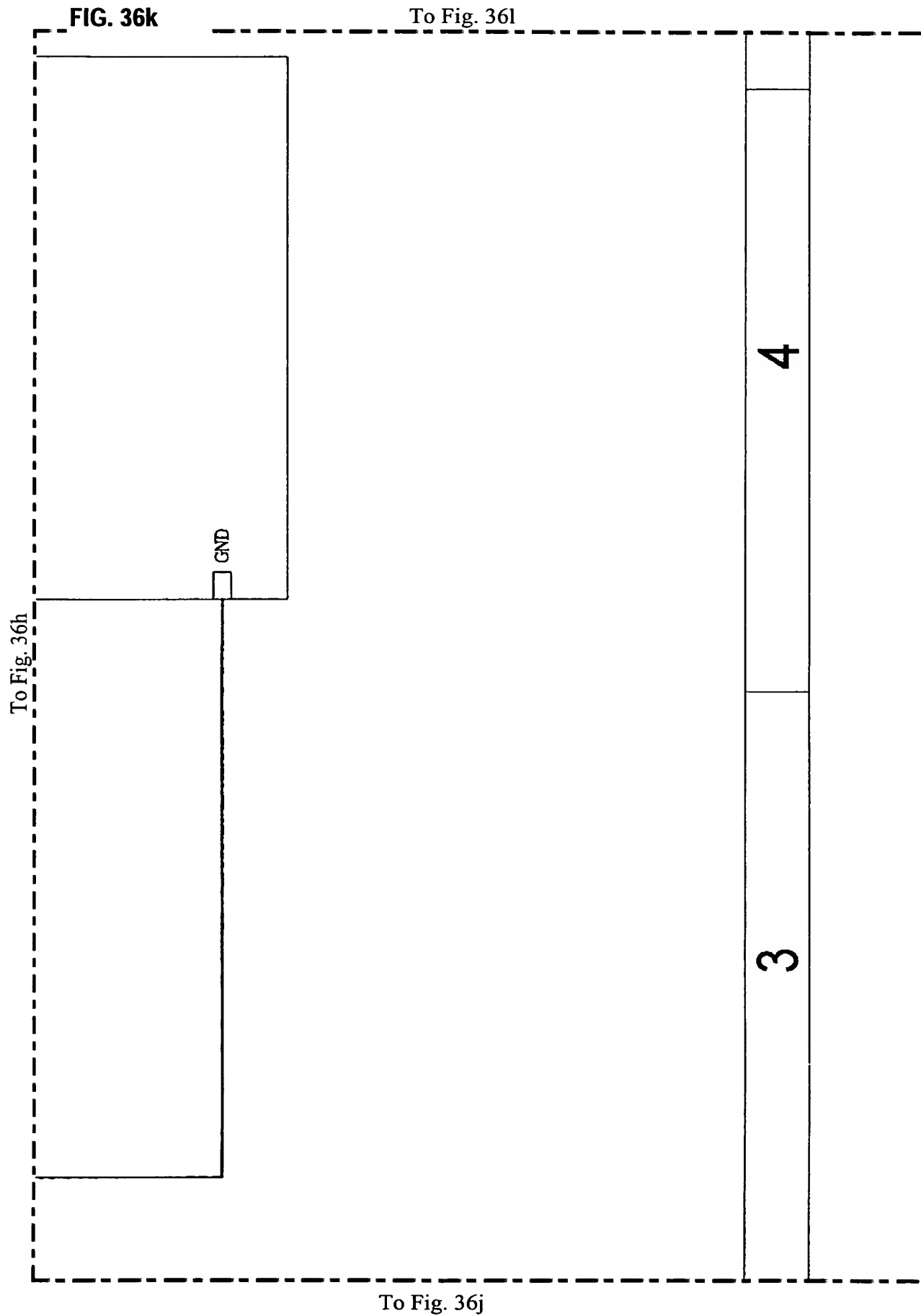


FIG. 36I

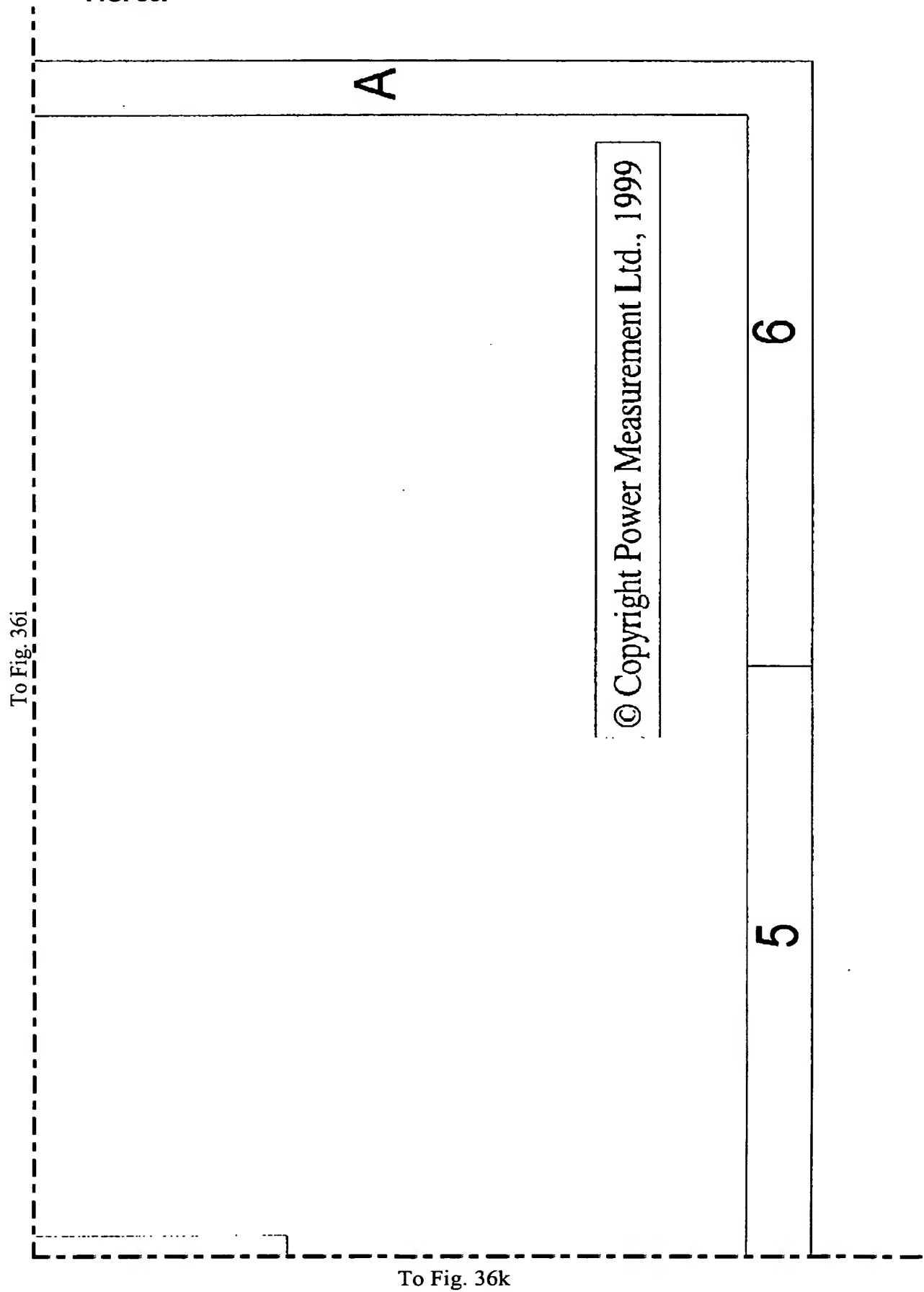
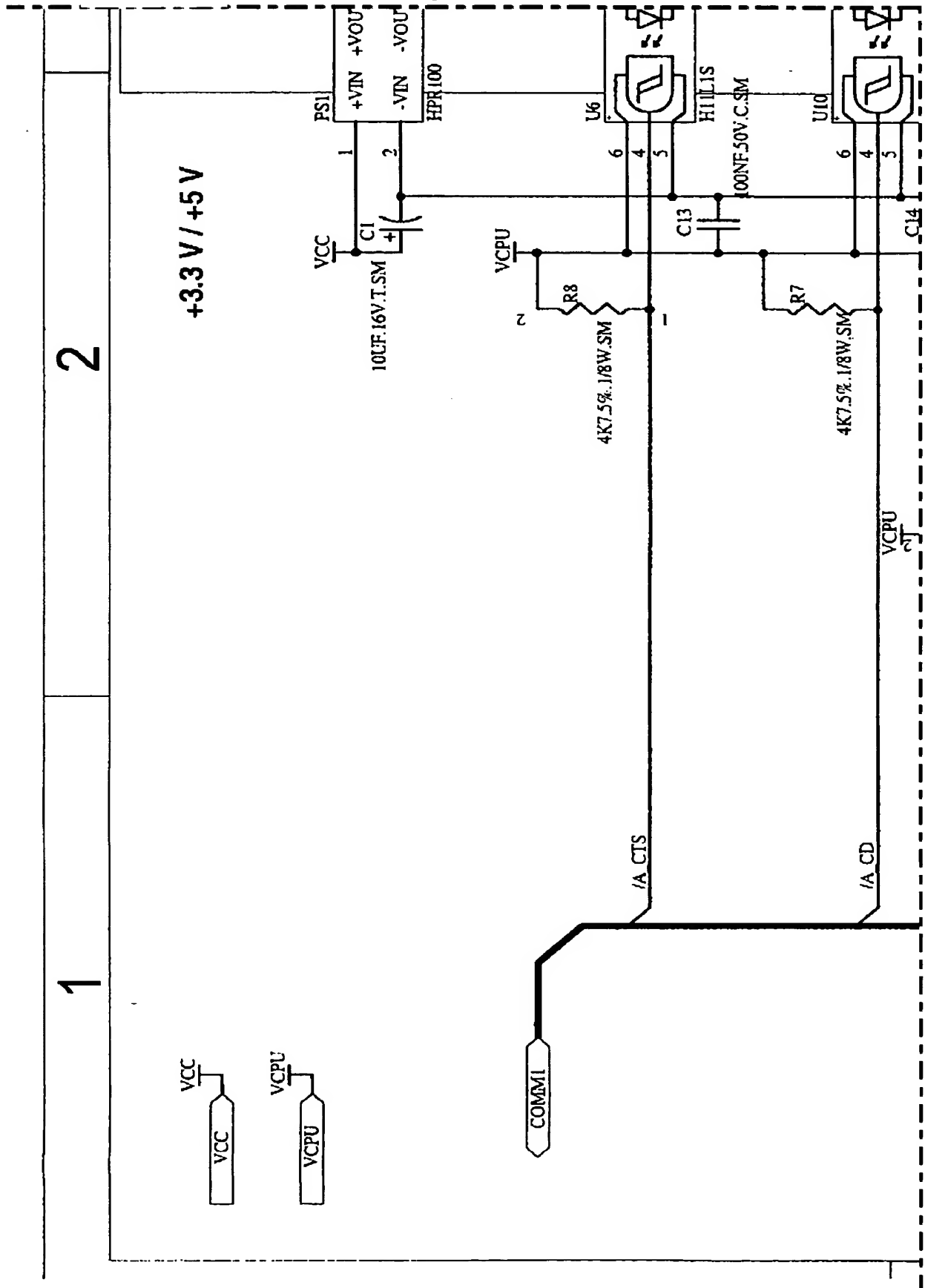


FIG. 37a

To Fig. 37b



To Fig. 37d

To Fig. 37c

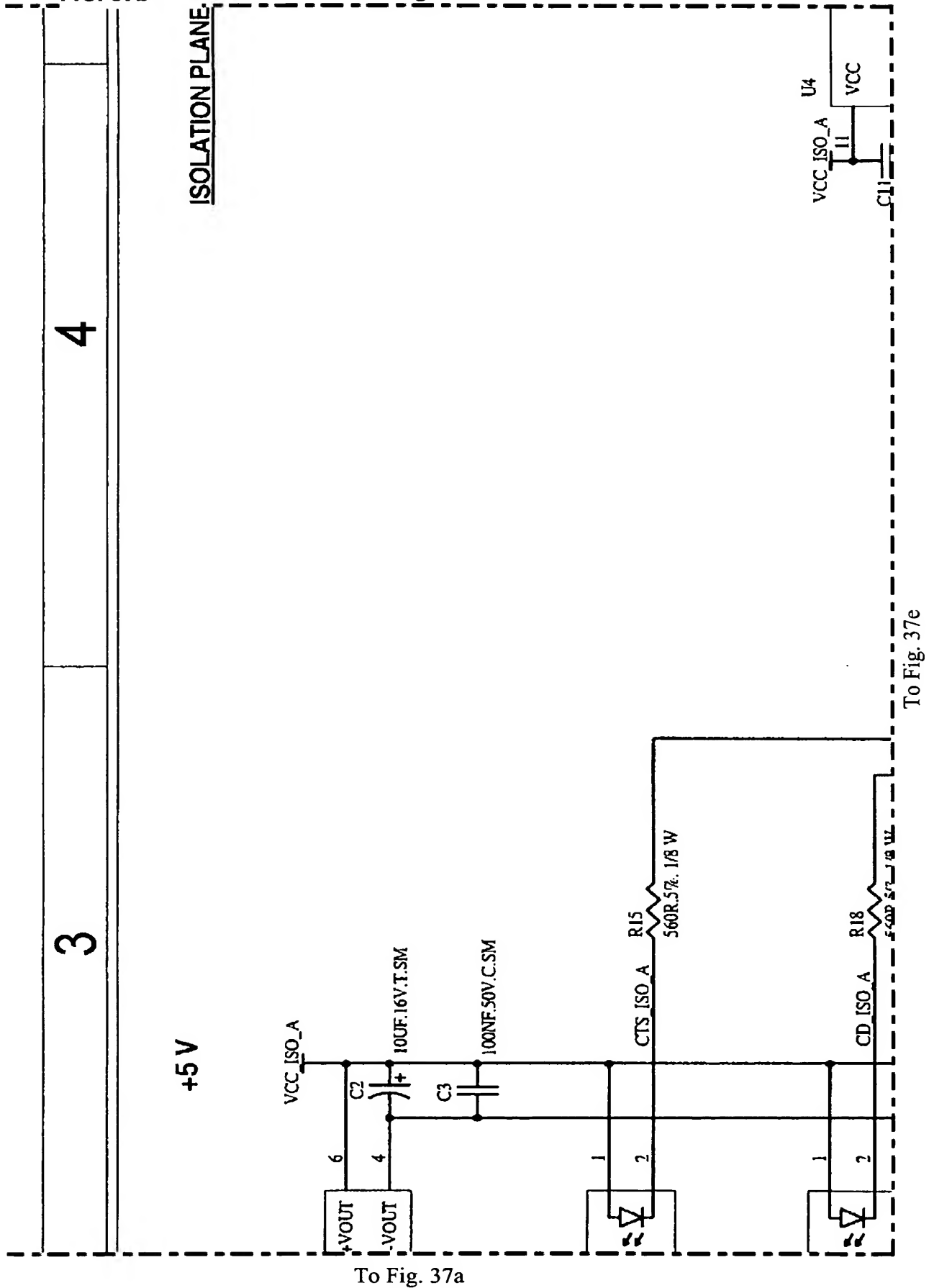
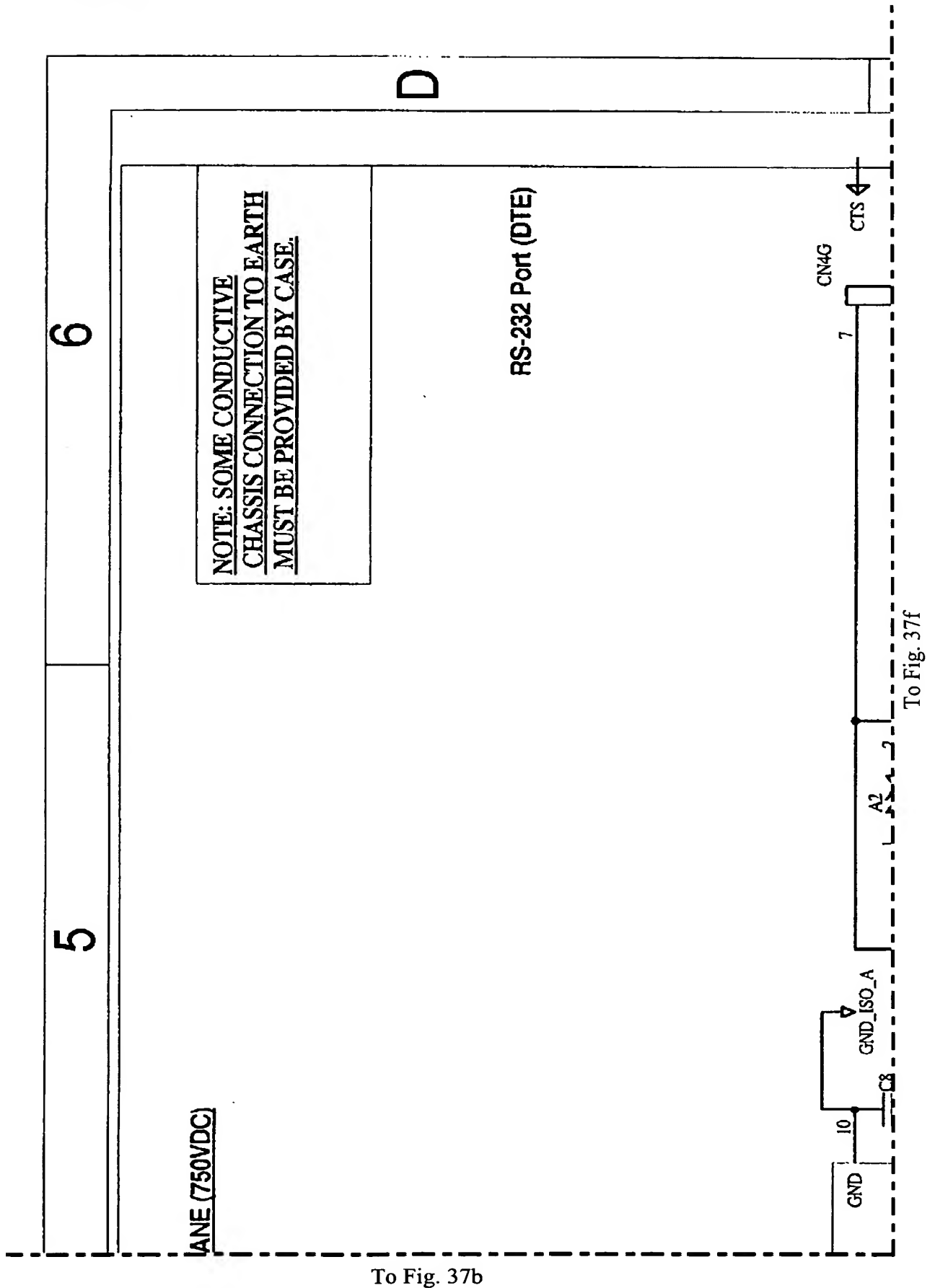
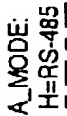


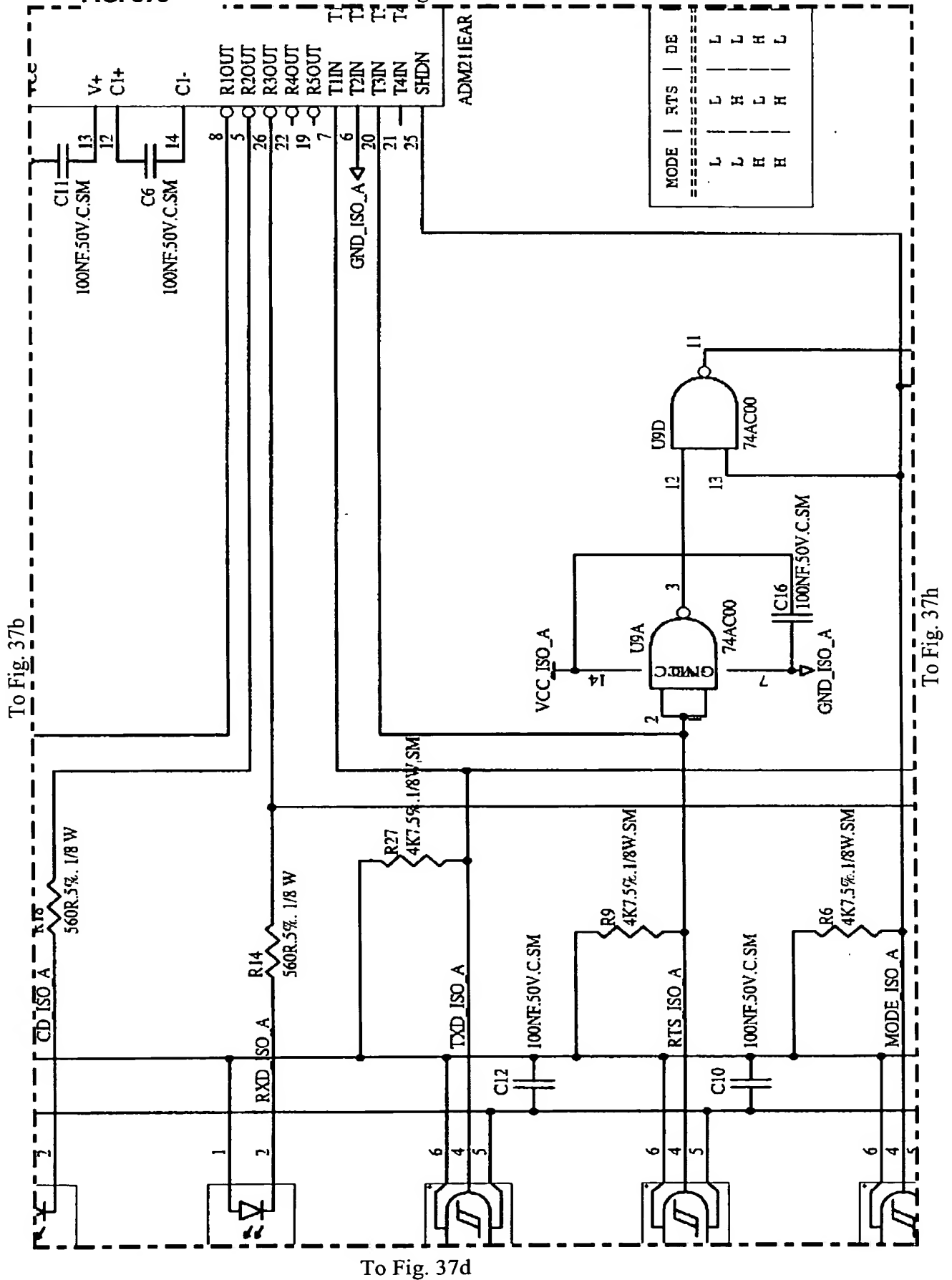
FIG. 37c



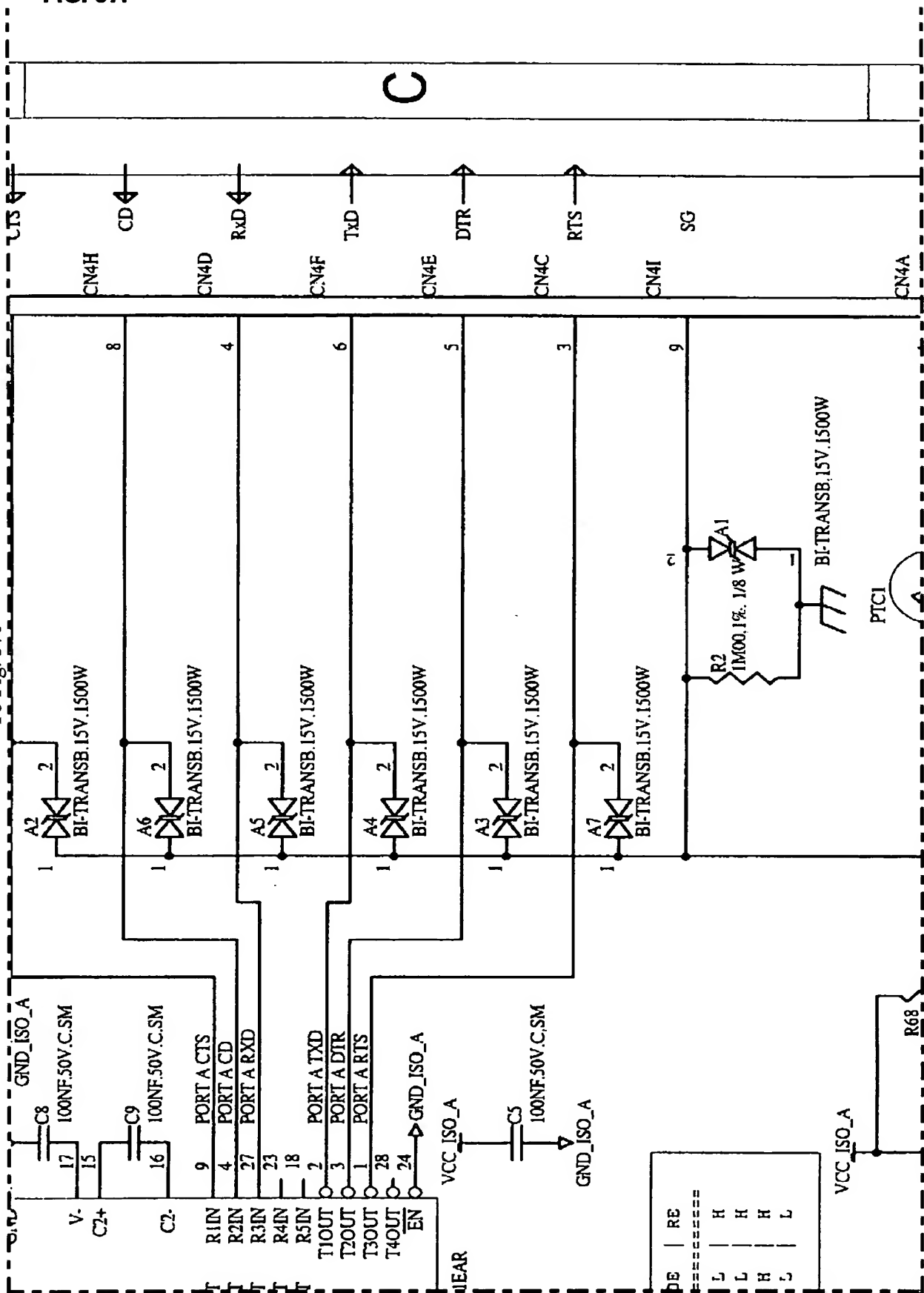
To Fig. 37e



To Fig. 37f

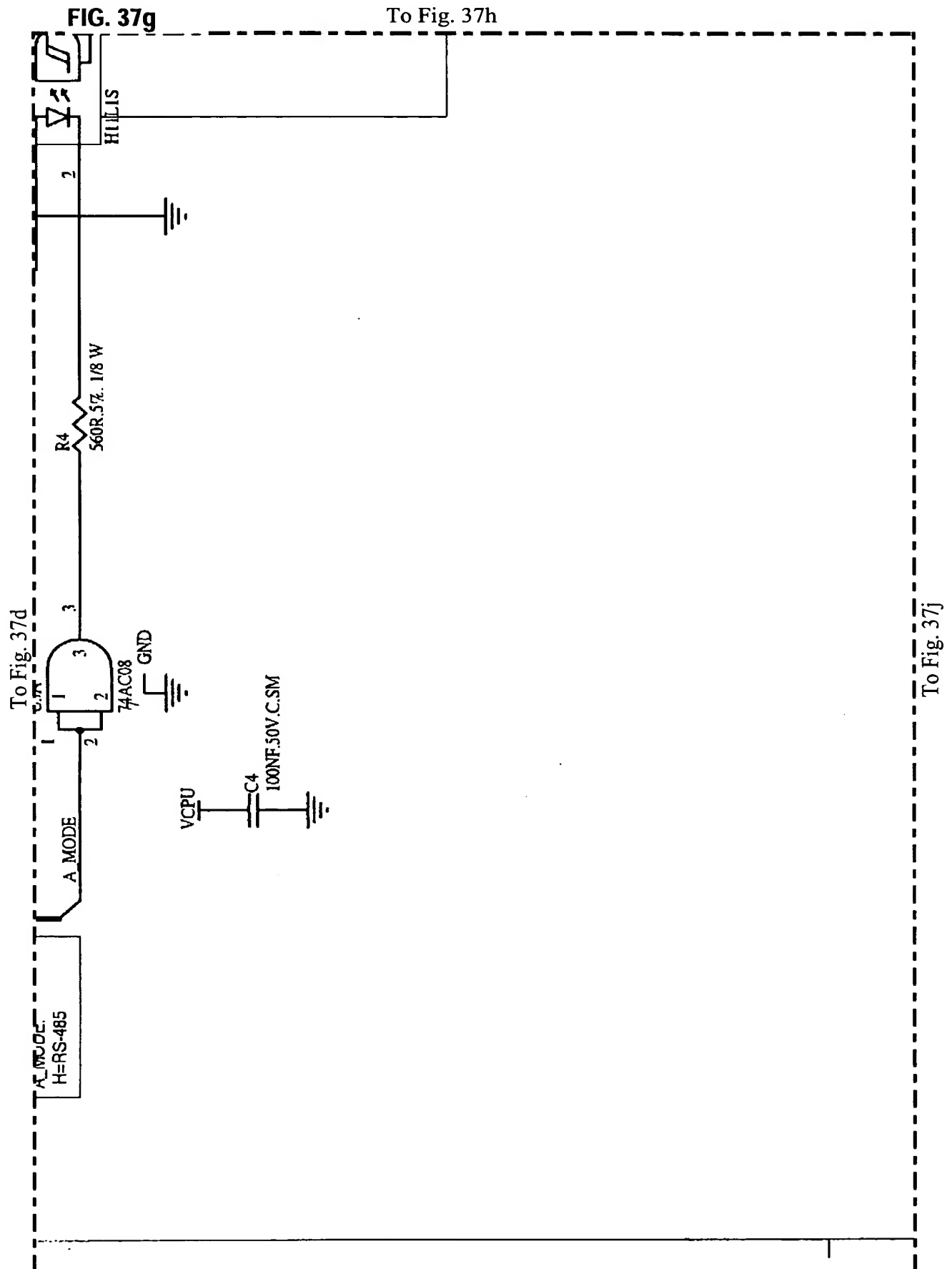


To Fig. 37c



To Fig. 37i

To Fig. 37e



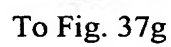
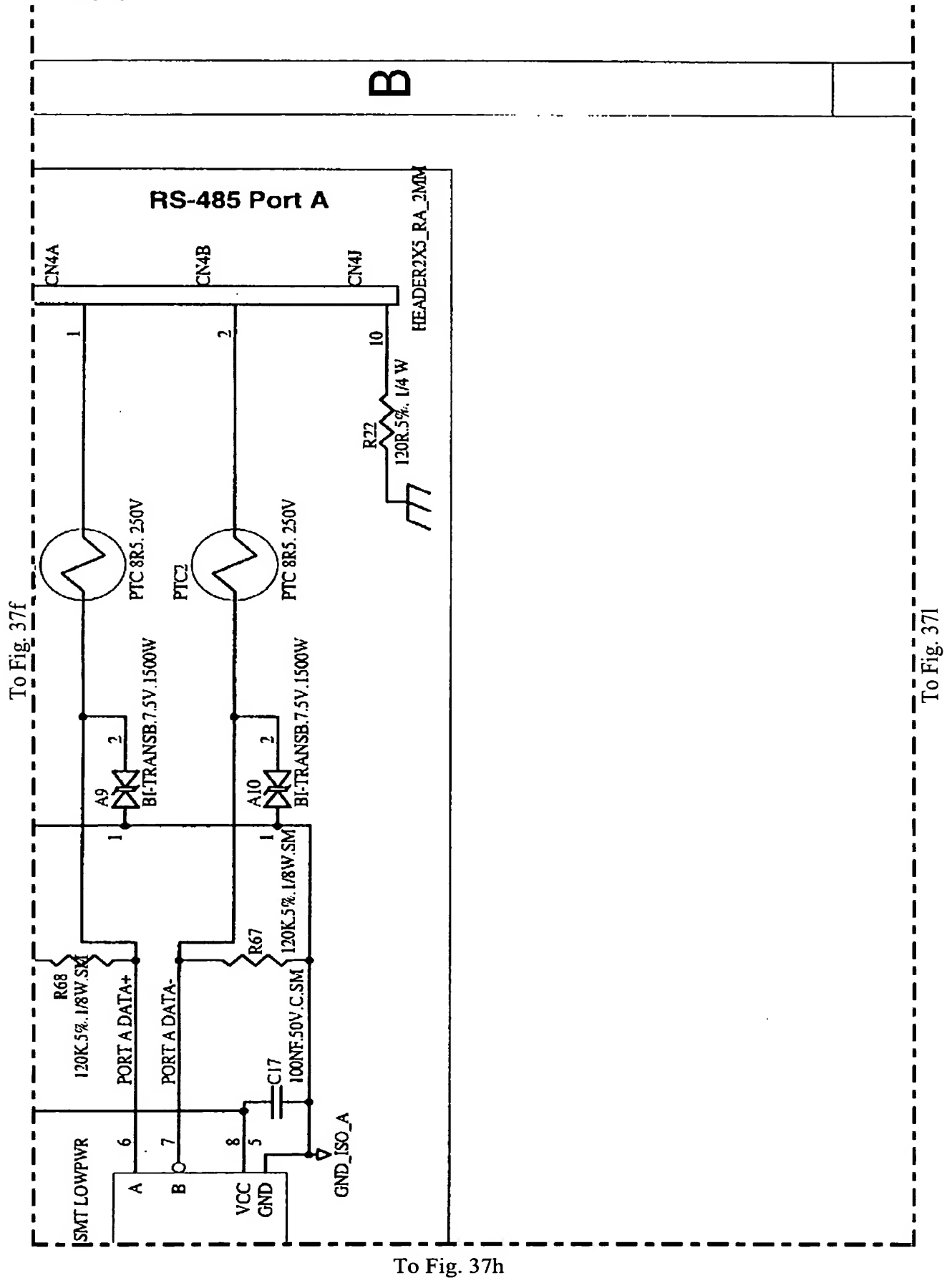
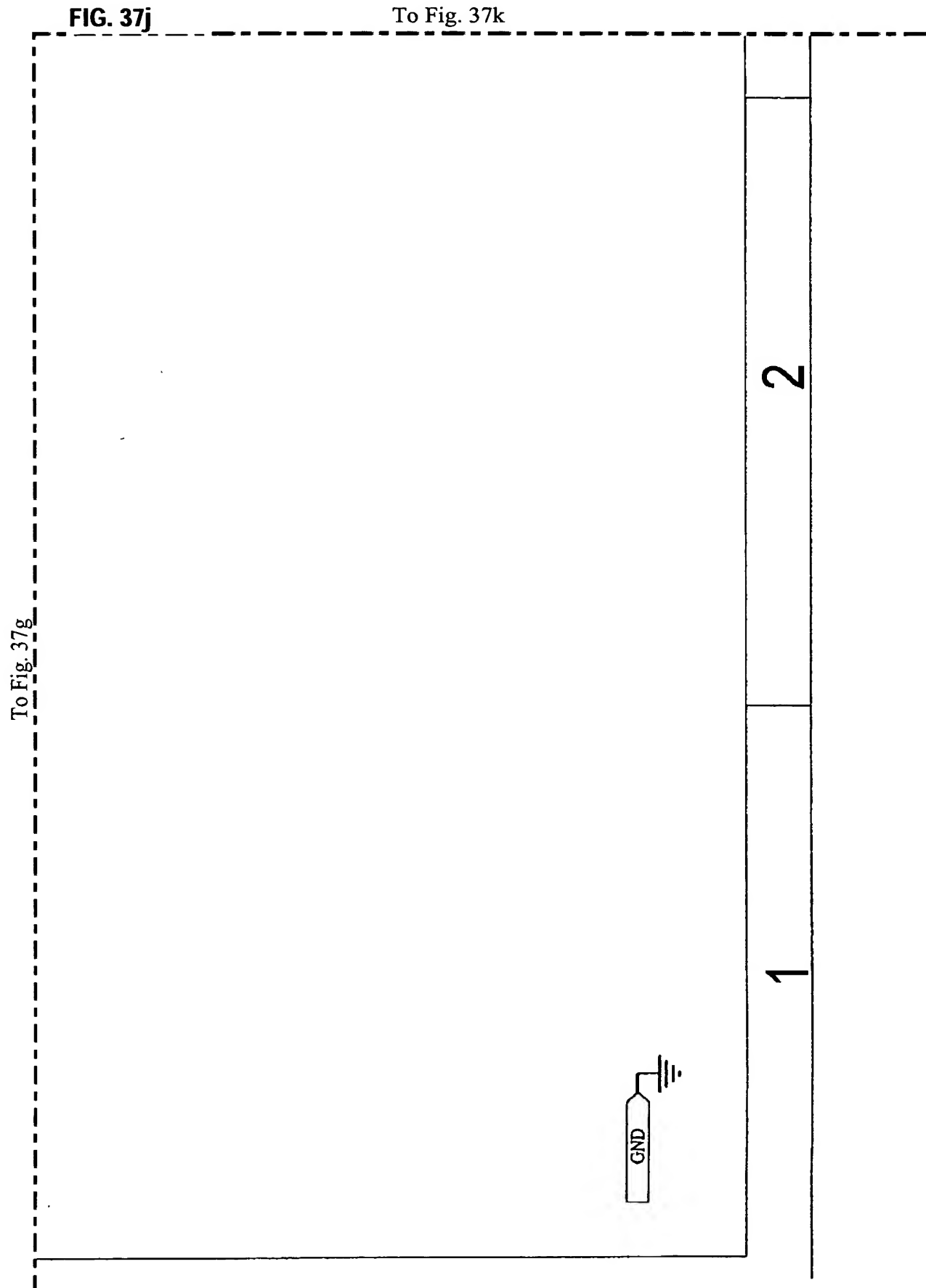


FIG. 37i





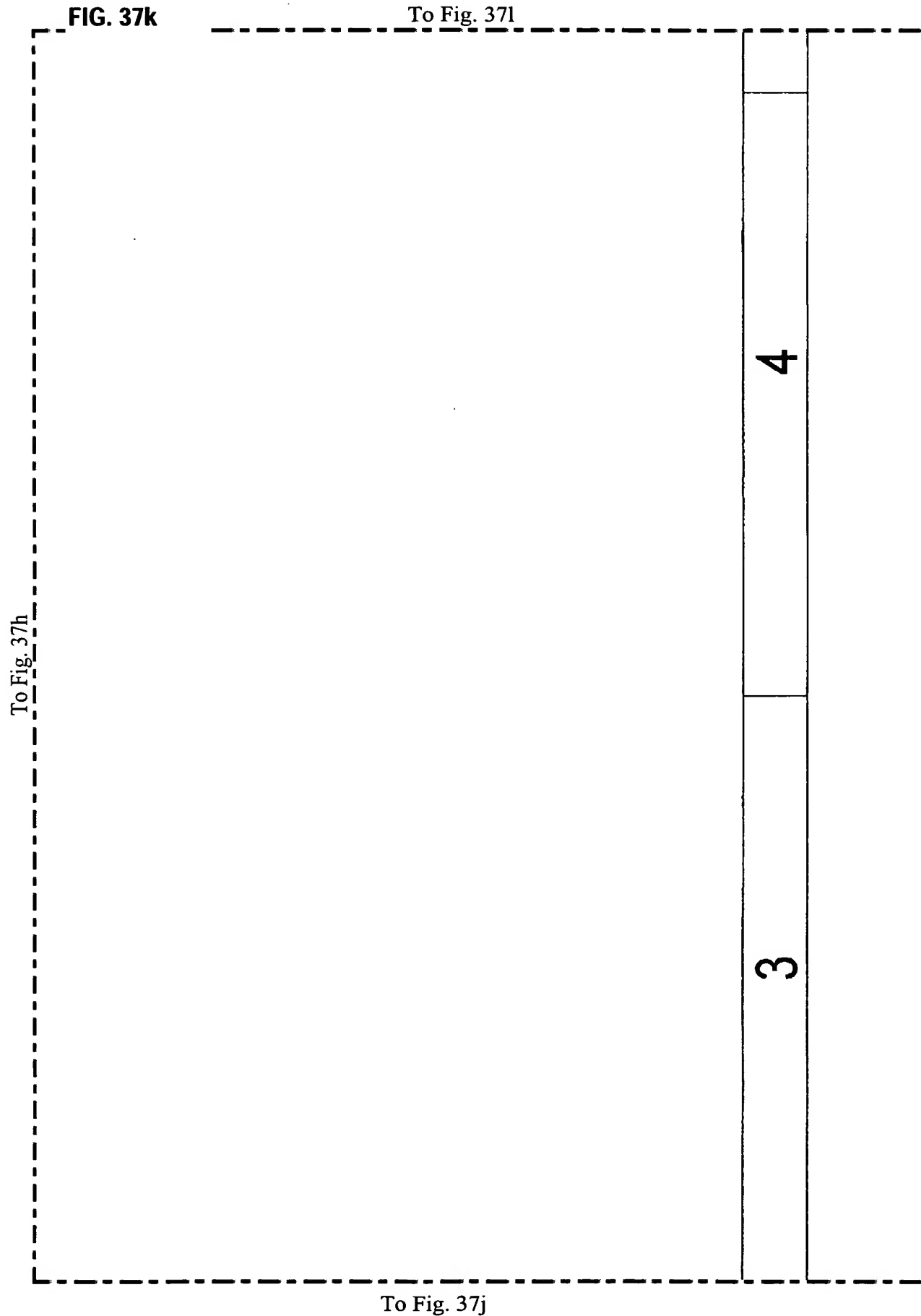


FIG. 37l

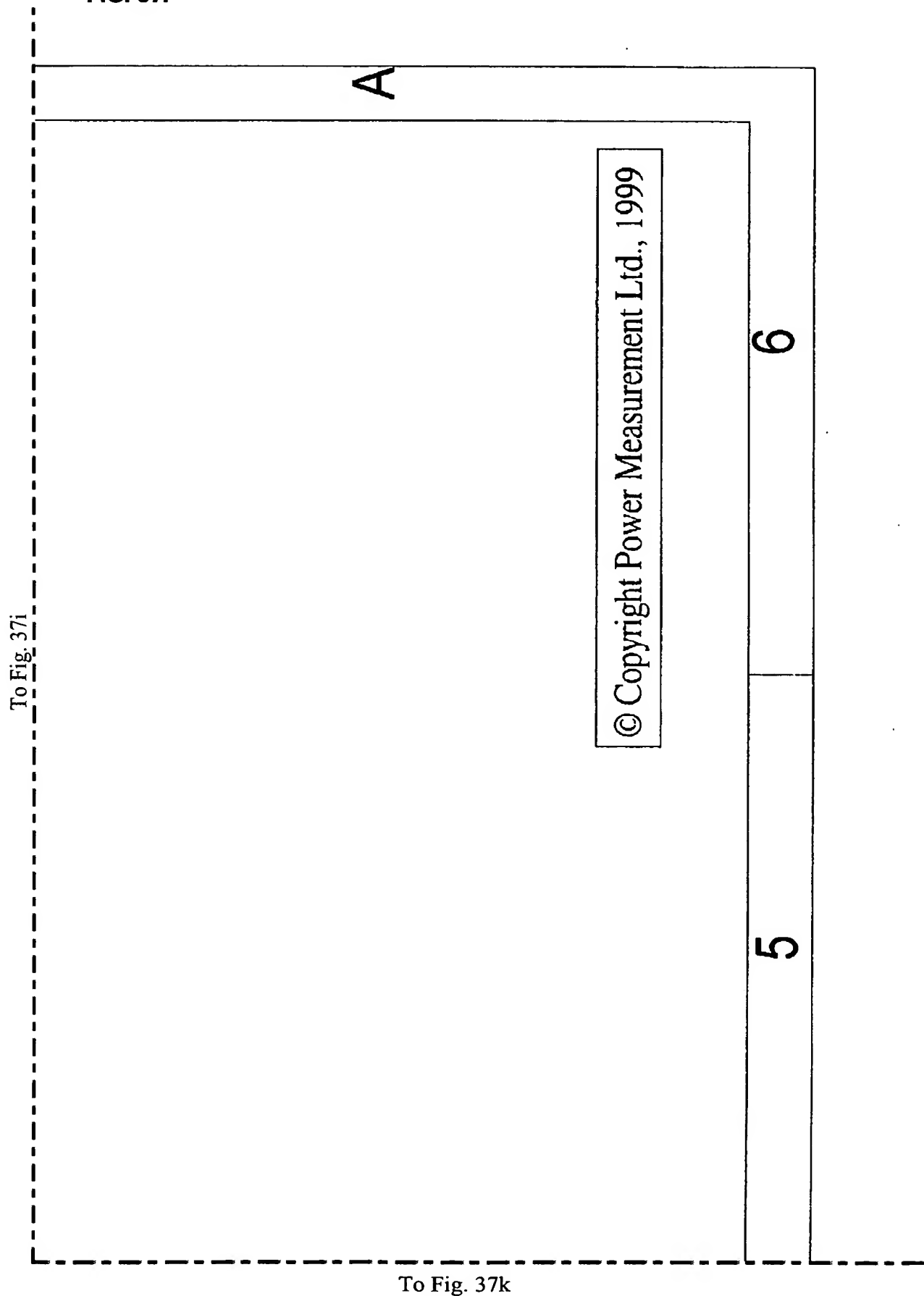
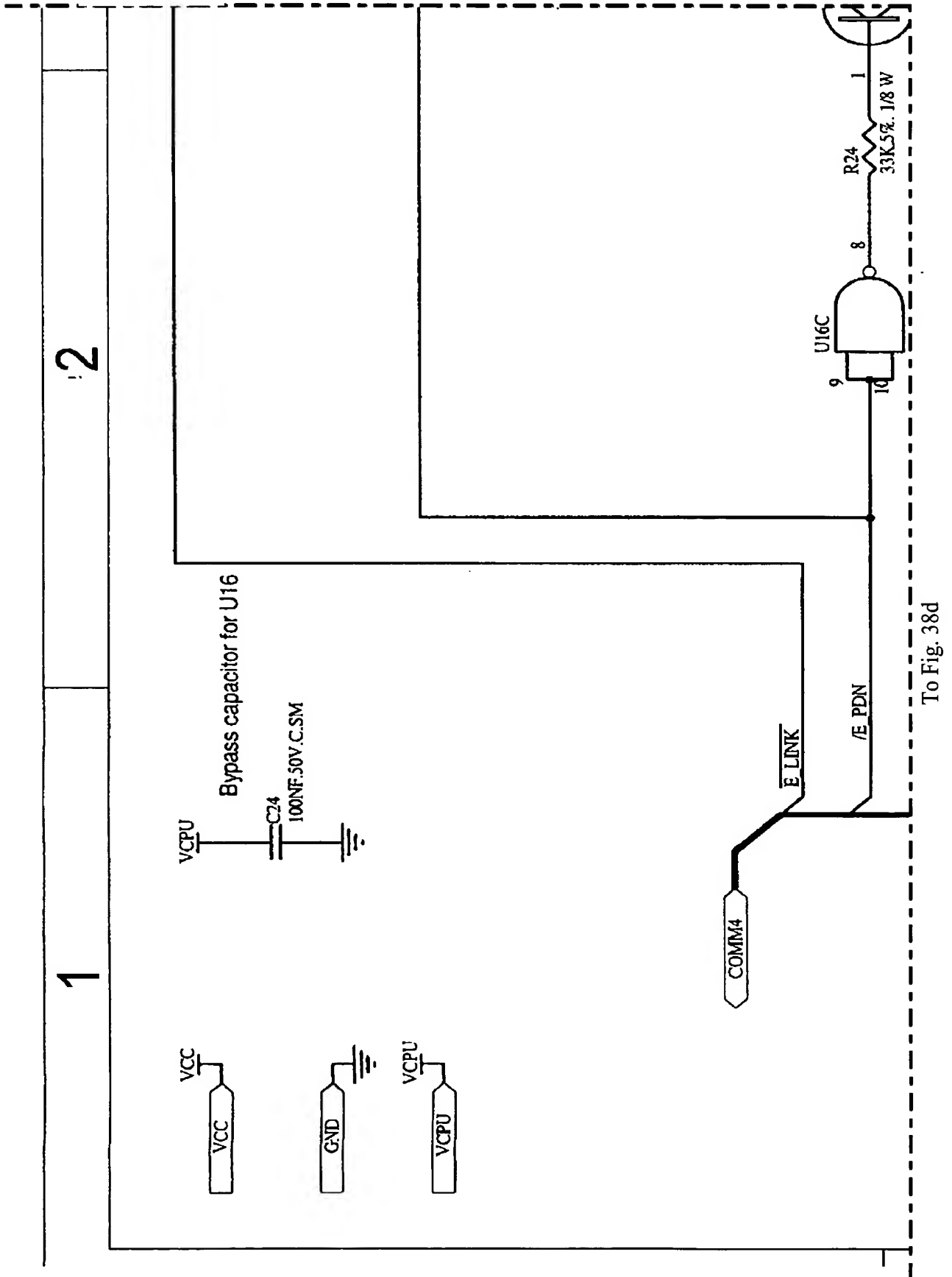


FIG. 38a

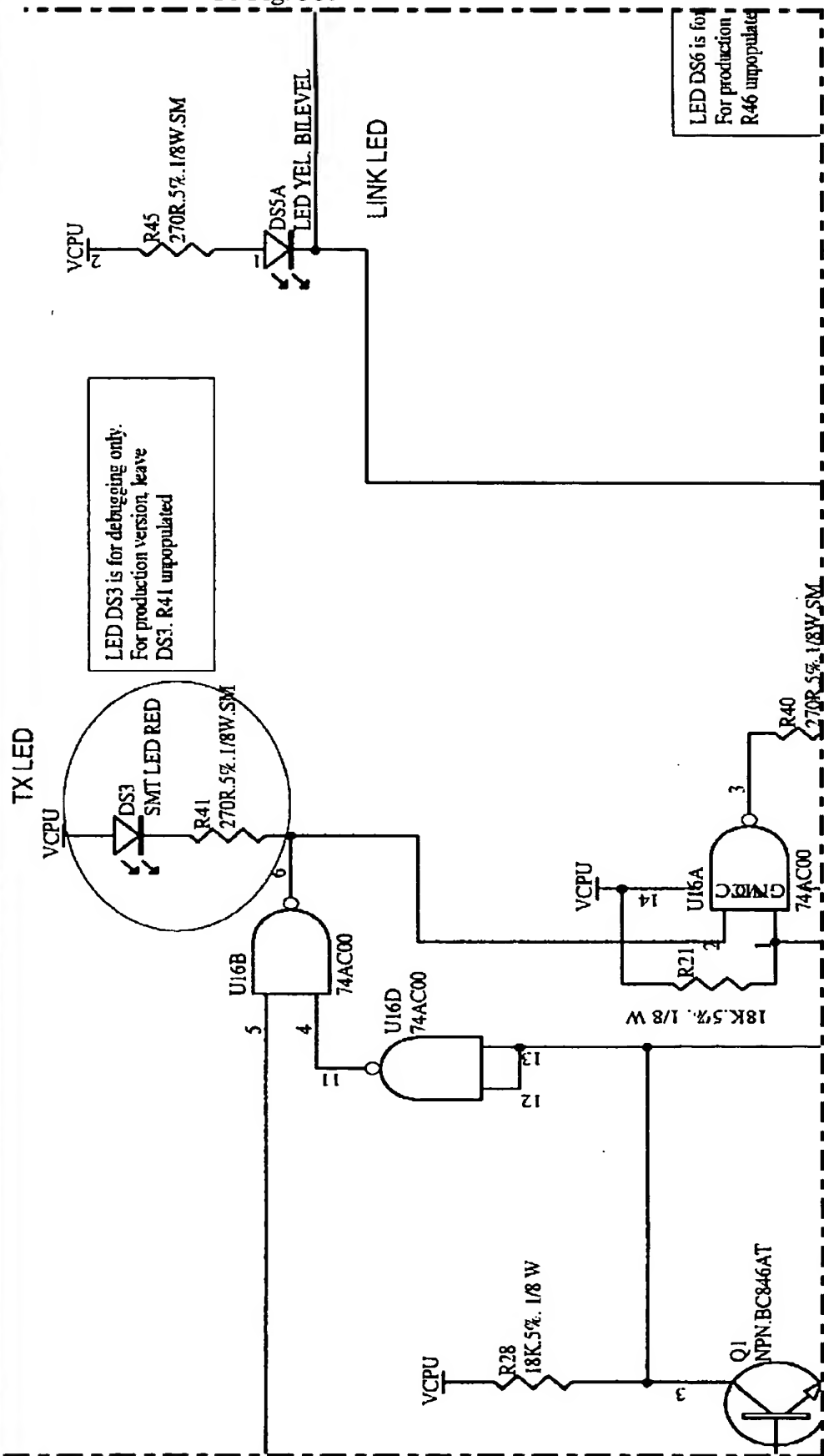
To Fig. 38b



To Fig. 38d

FIG. 38b

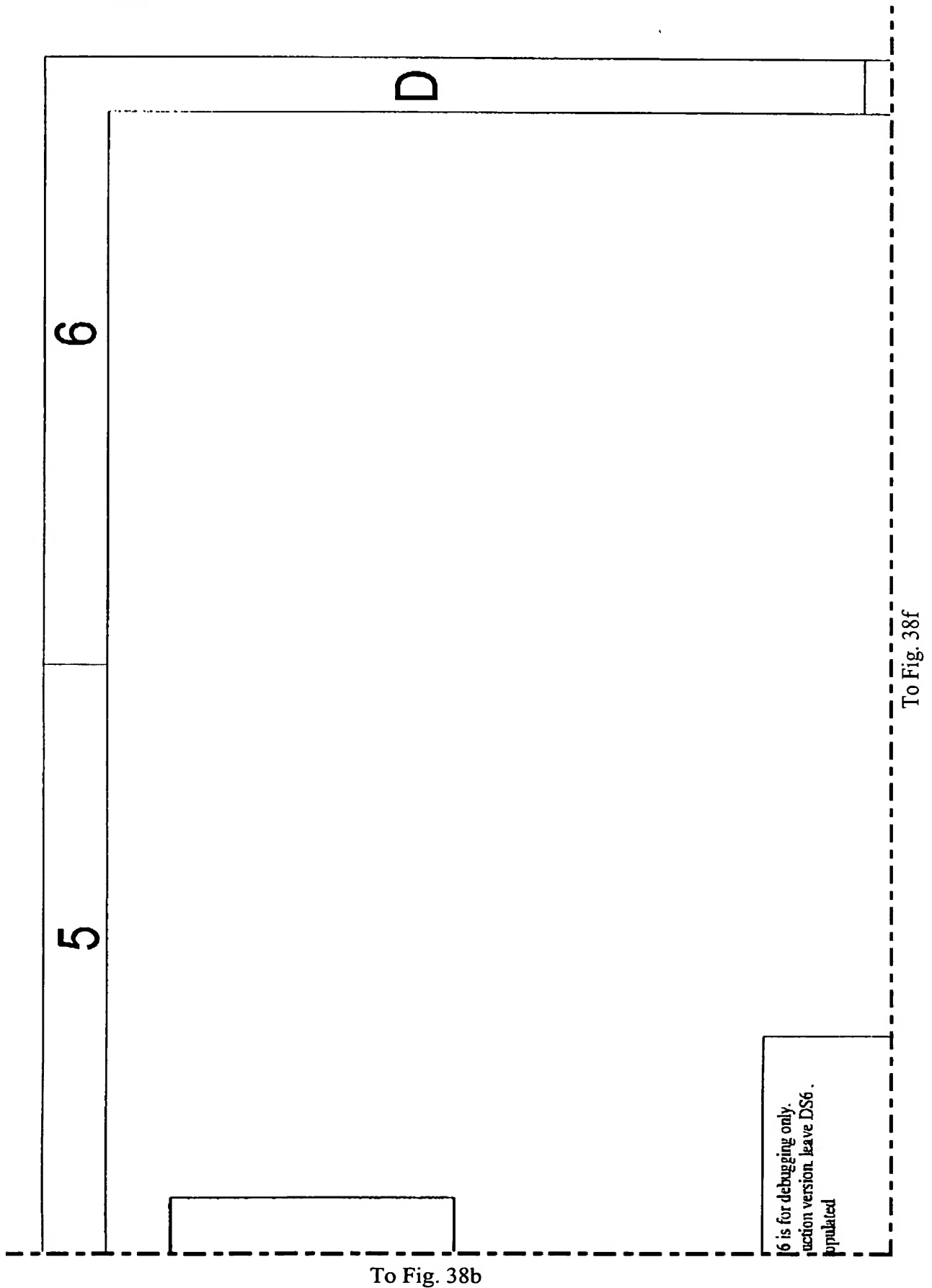
To Fig. 38c

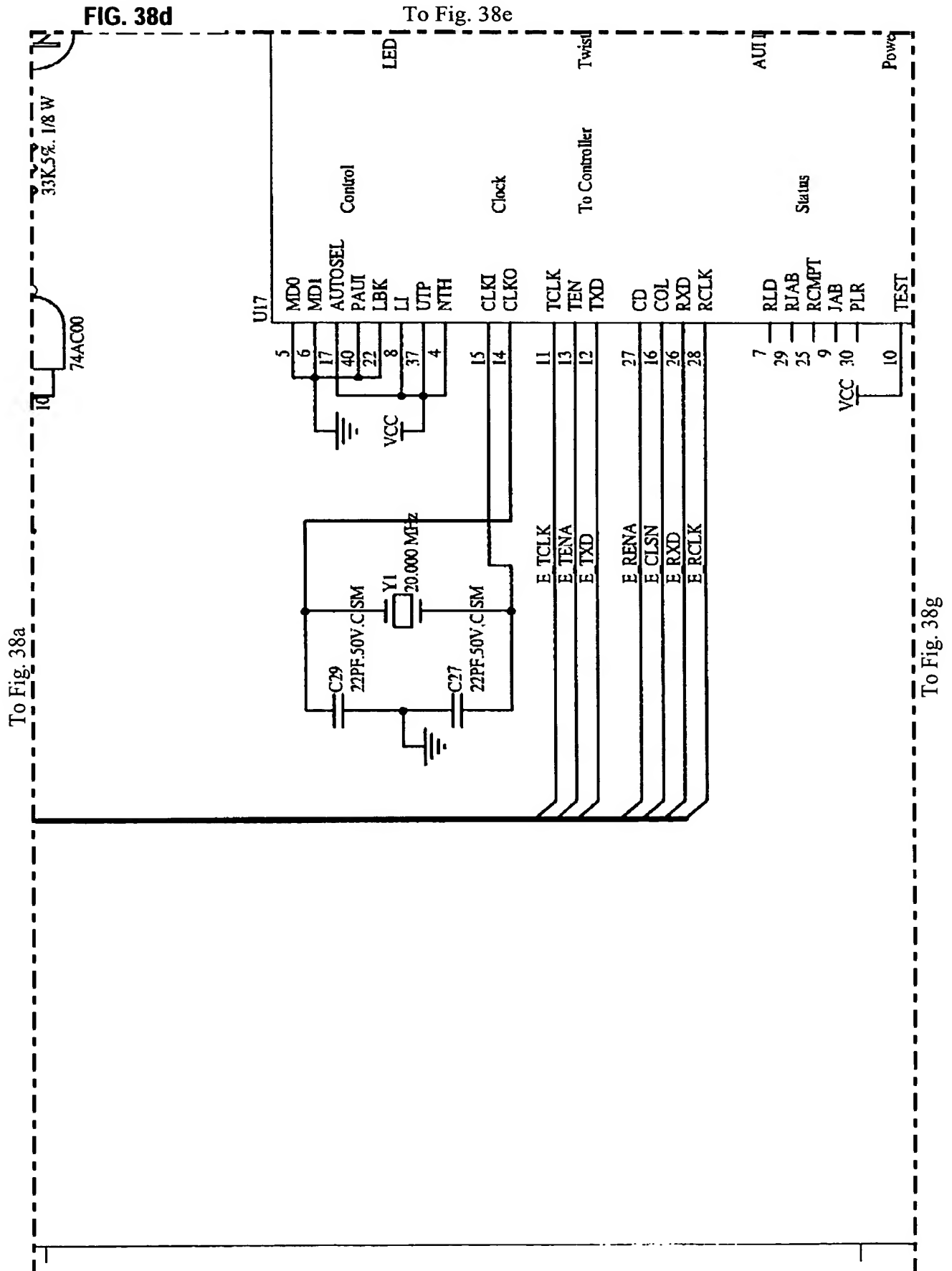


To Fig. 38e

To Fig. 38a

FIG. 38c





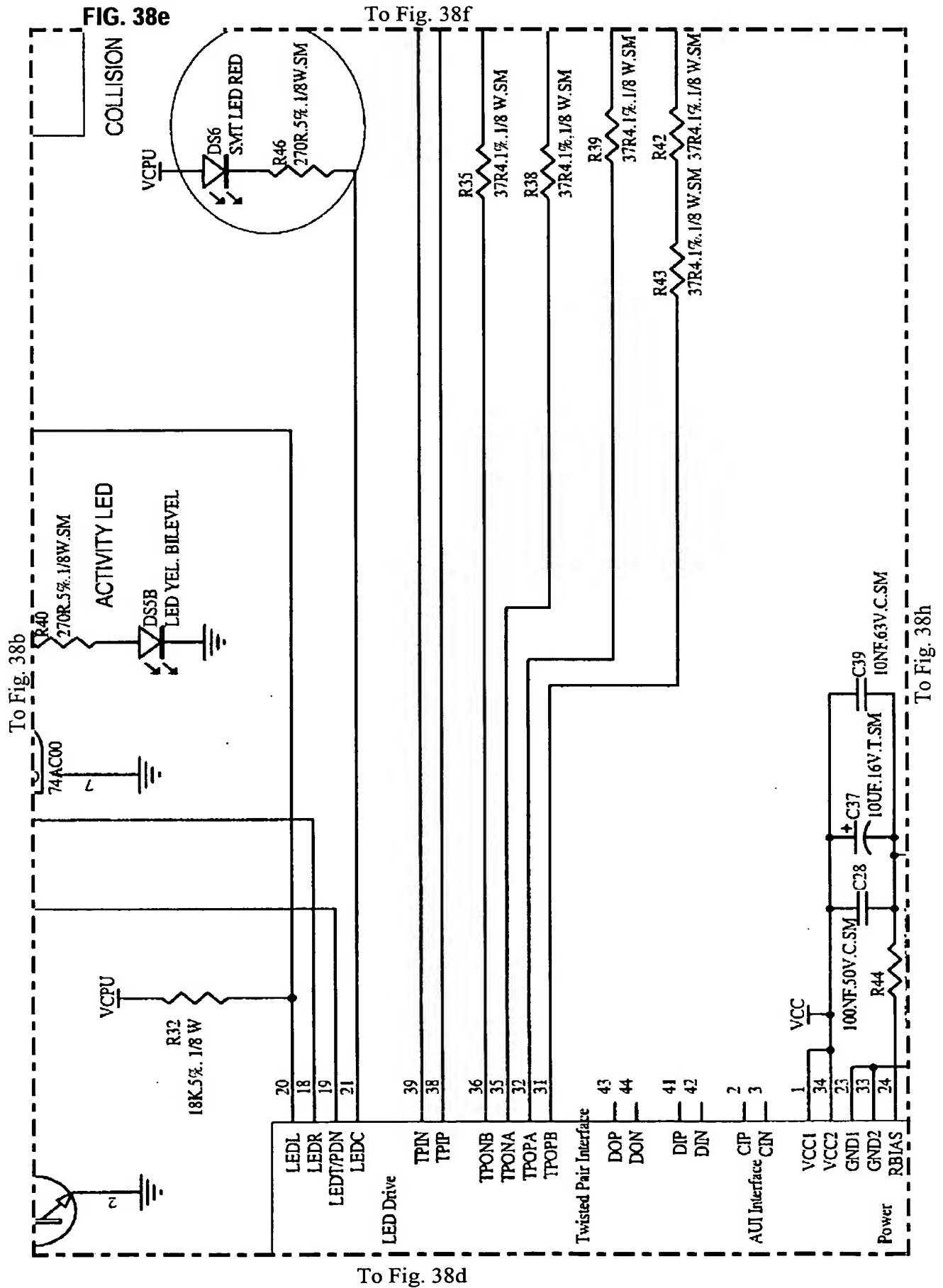
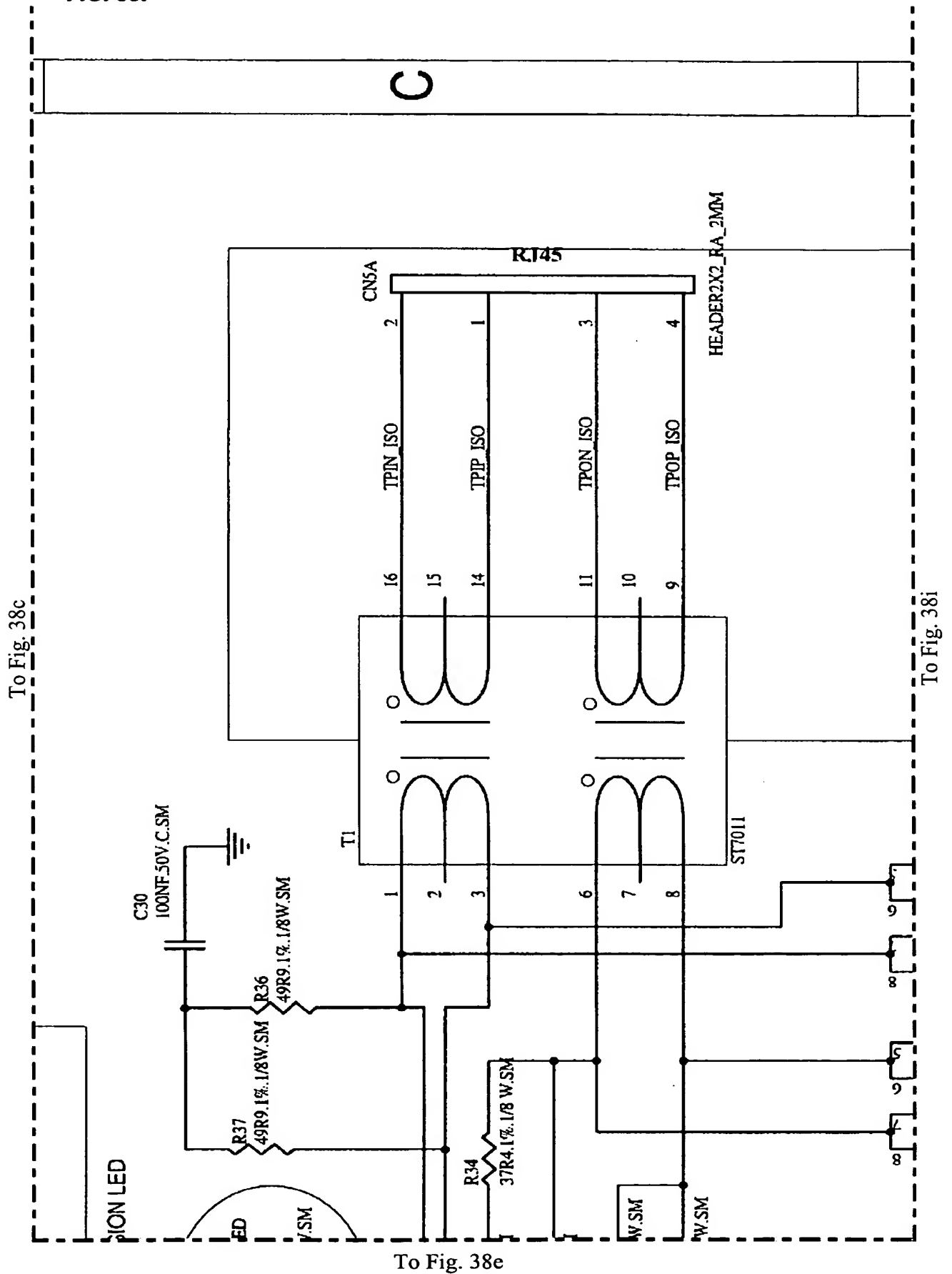
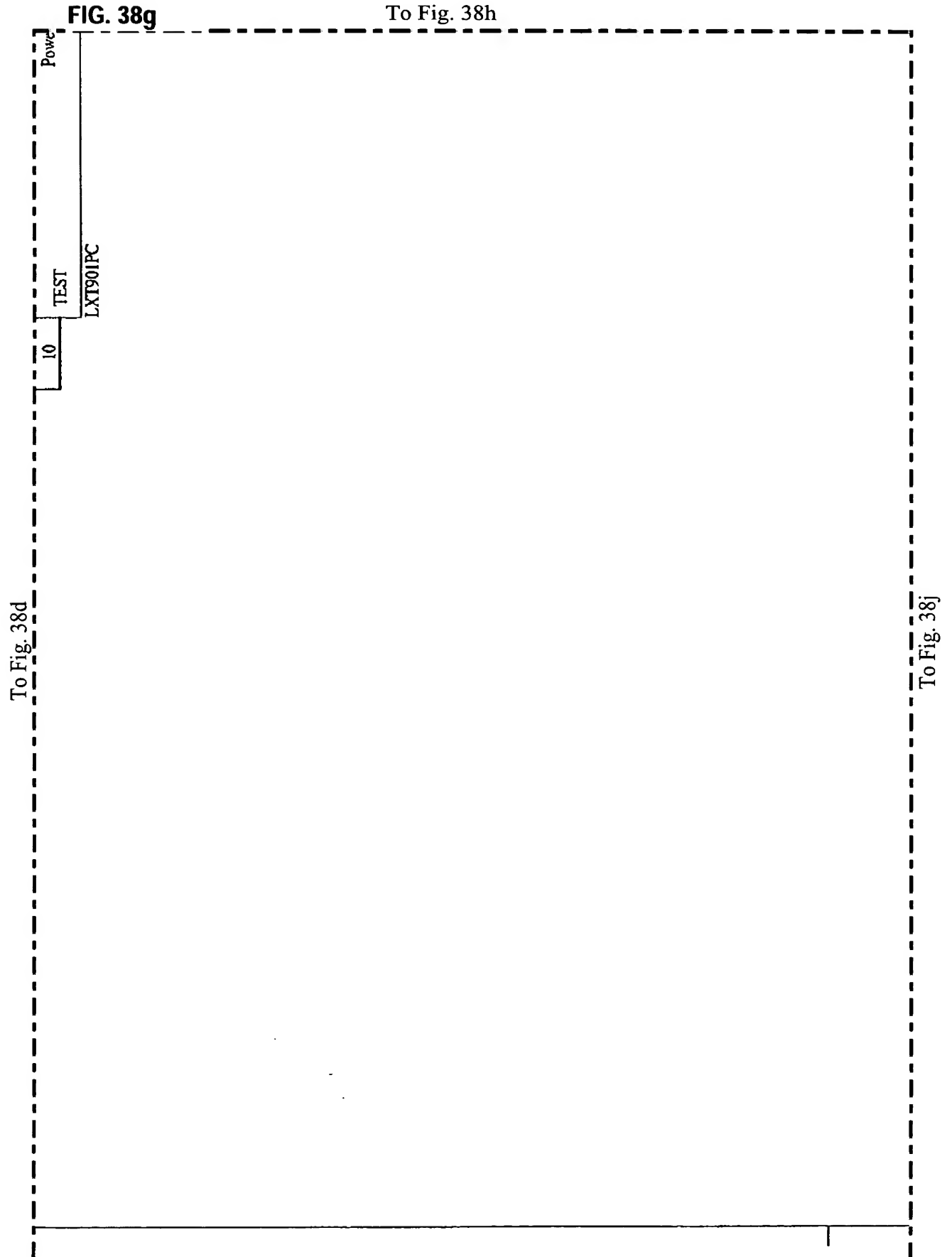


FIG. 38f





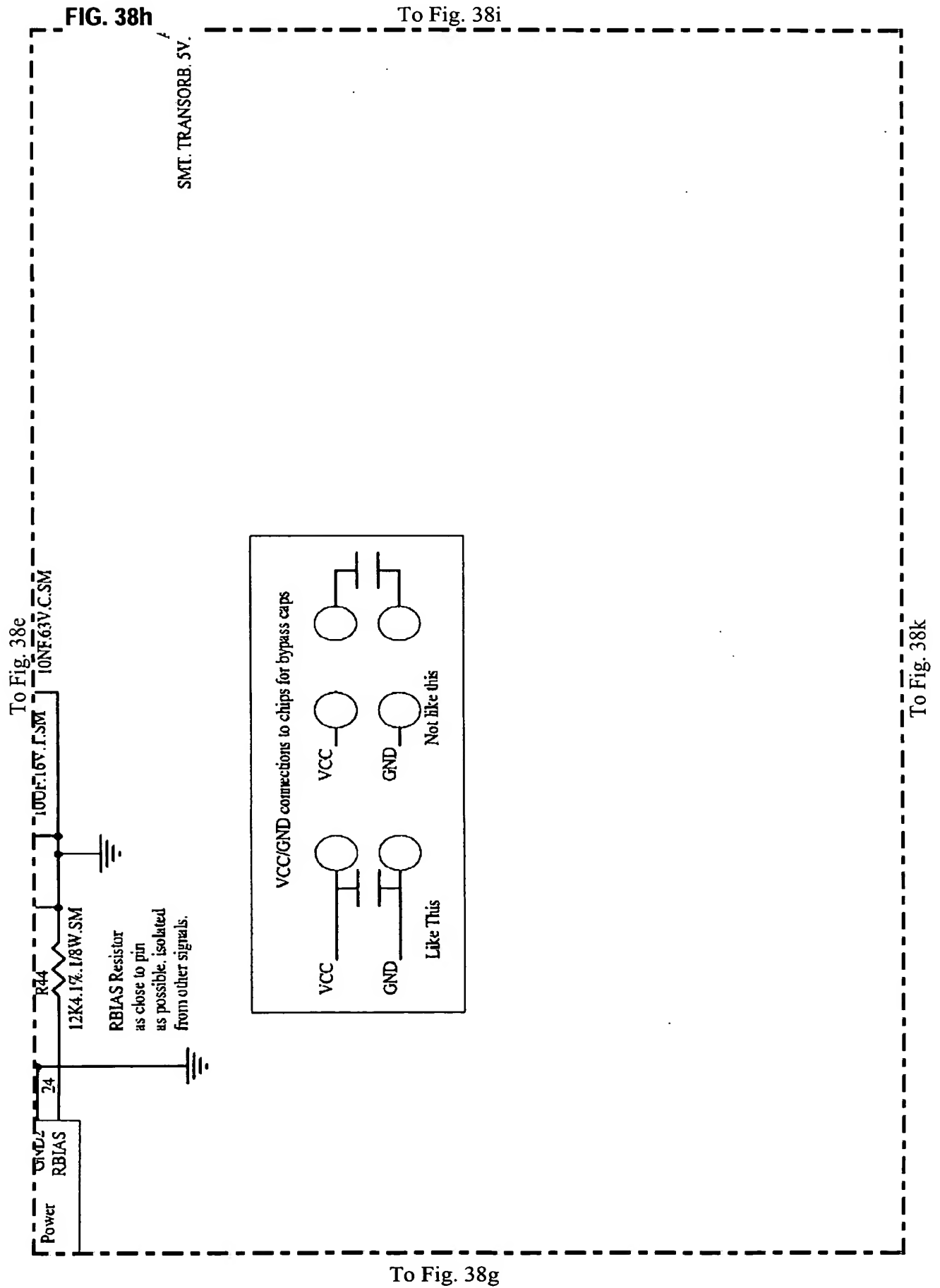


FIG. 38i

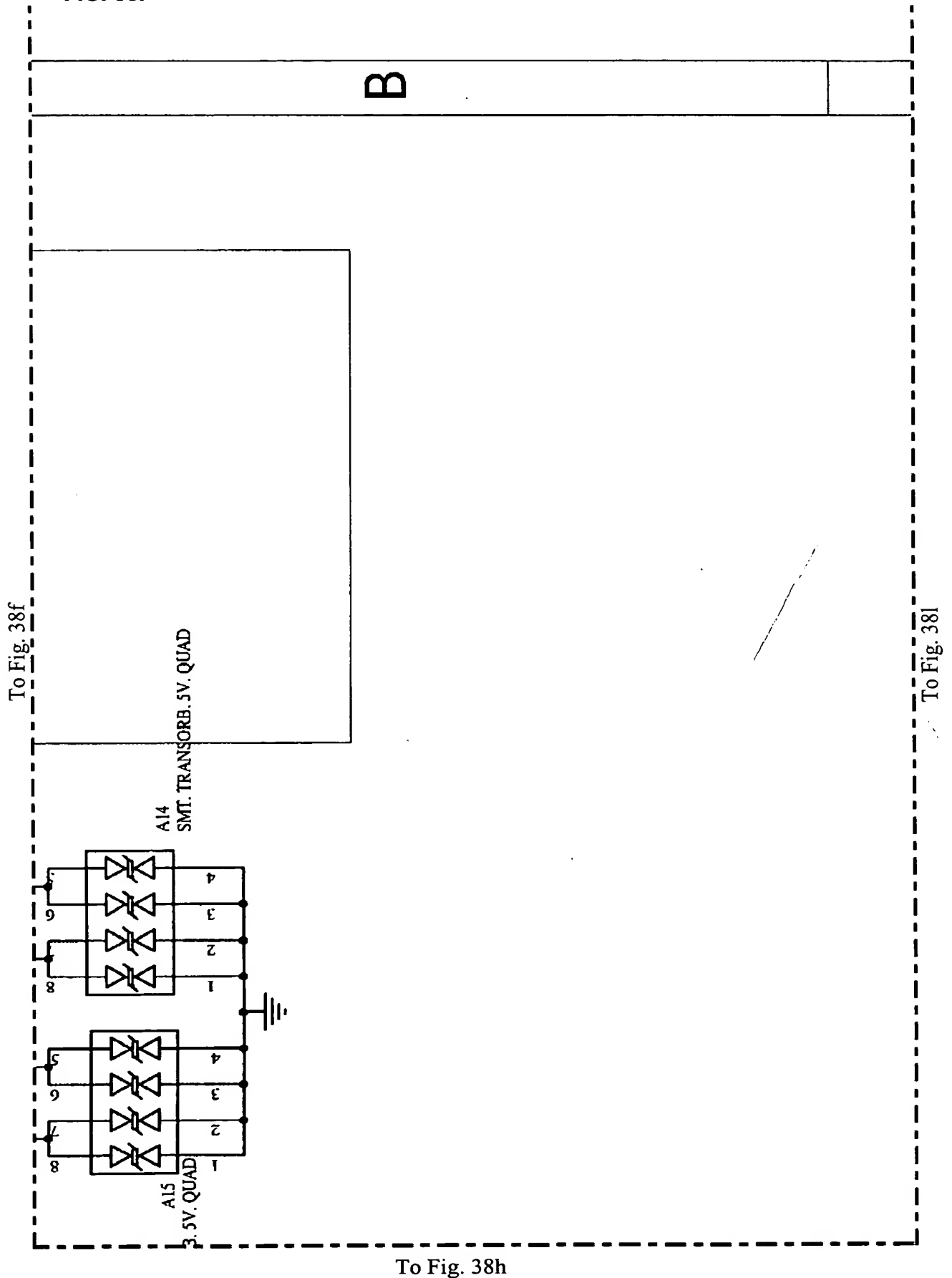


FIG. 38j

To Fig. 38k

To Fig. 38g

2

1

FIG. 38k

To Fig. 38l

To Fig. 38h

4

3

To Fig. 38j

FIG. 38l

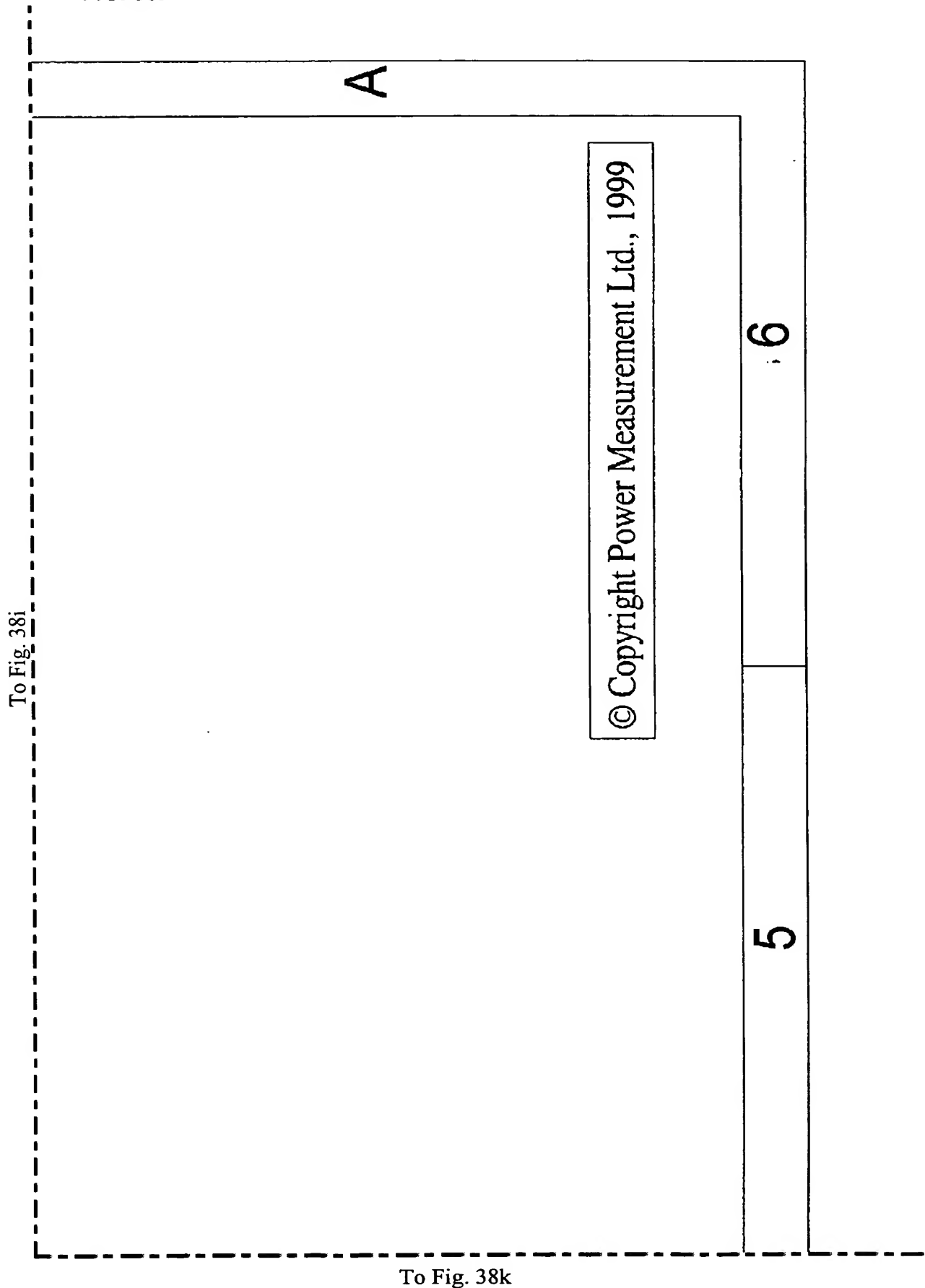


FIG. 39a

To Fig. 39b

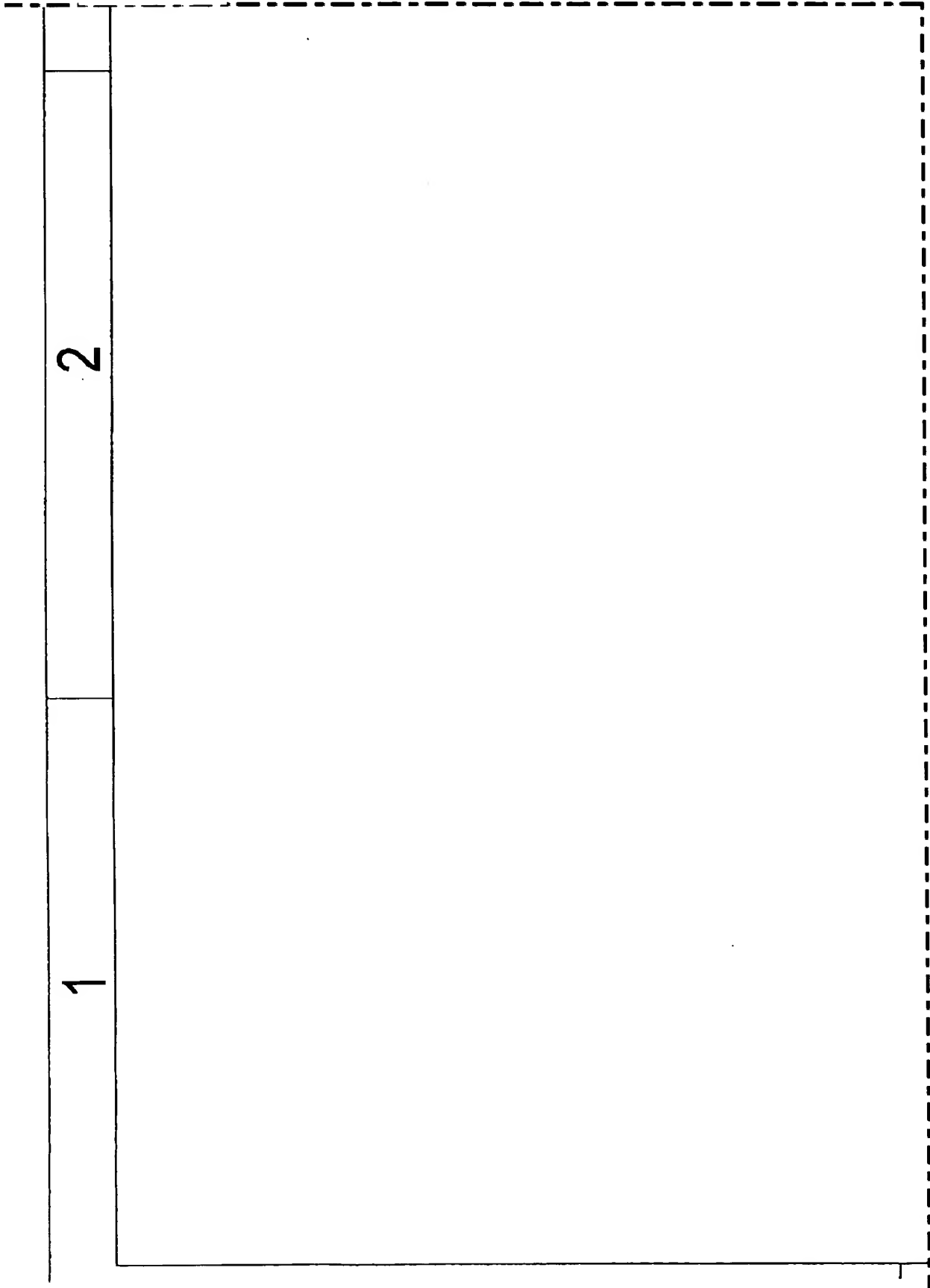
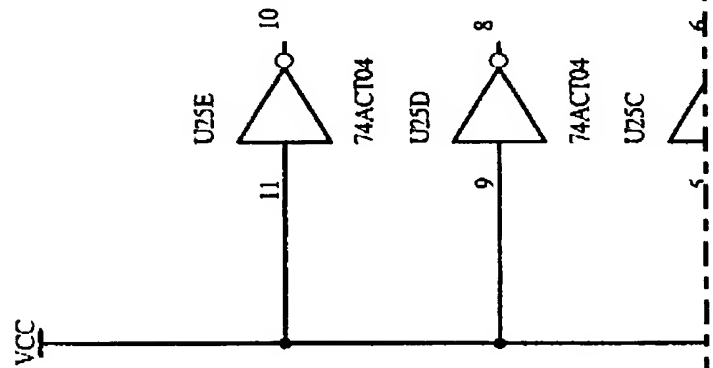


FIG. 39b

4

3

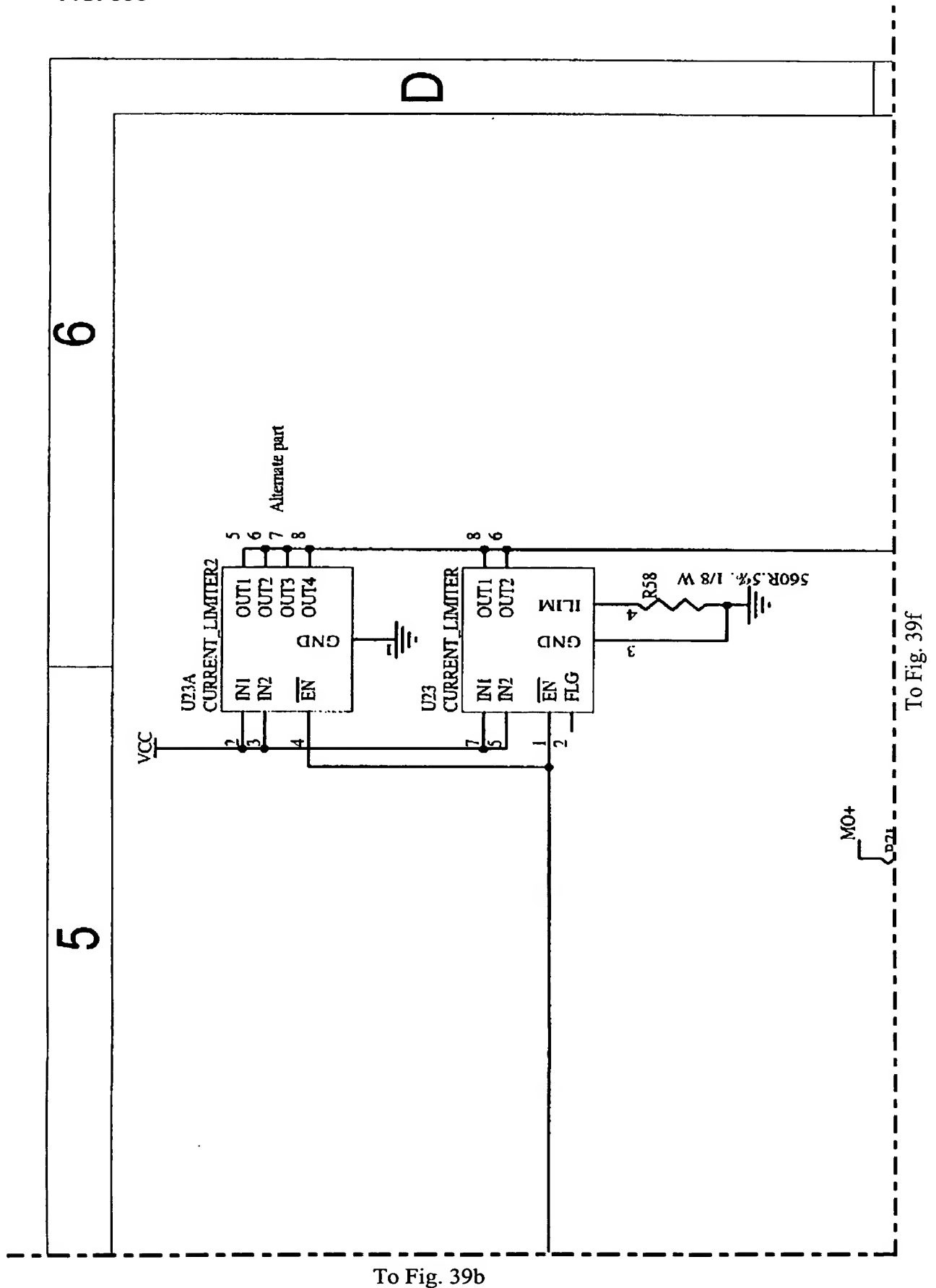
To Fig. 39c



To Fig. 39e

To Fig. 39a

FIG. 39c



To Fig. 39b

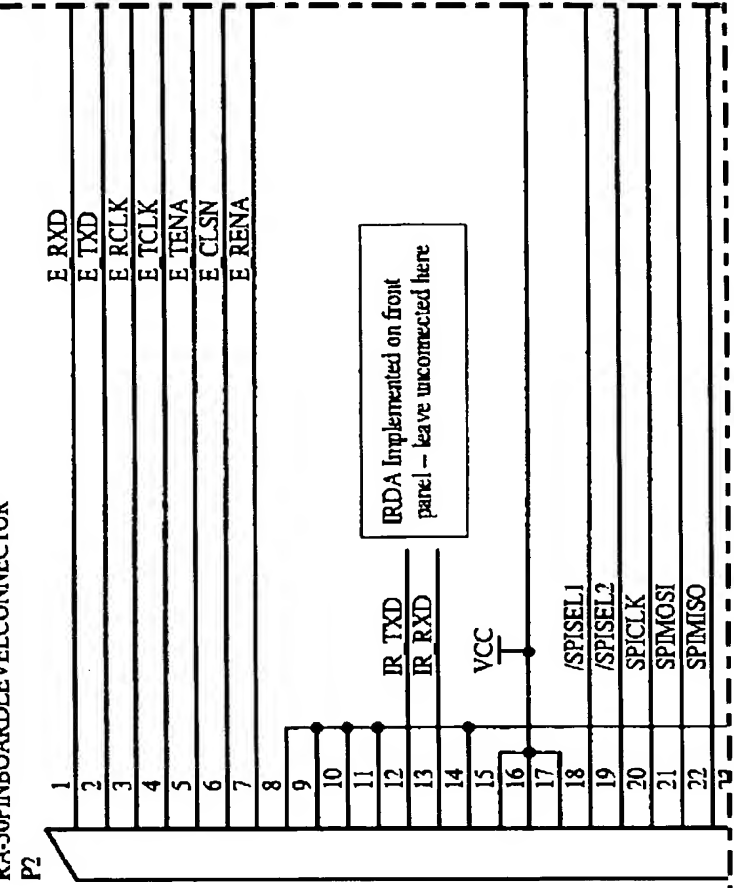
To Fig. 39f

To Fig. 39a

FIG. 39d

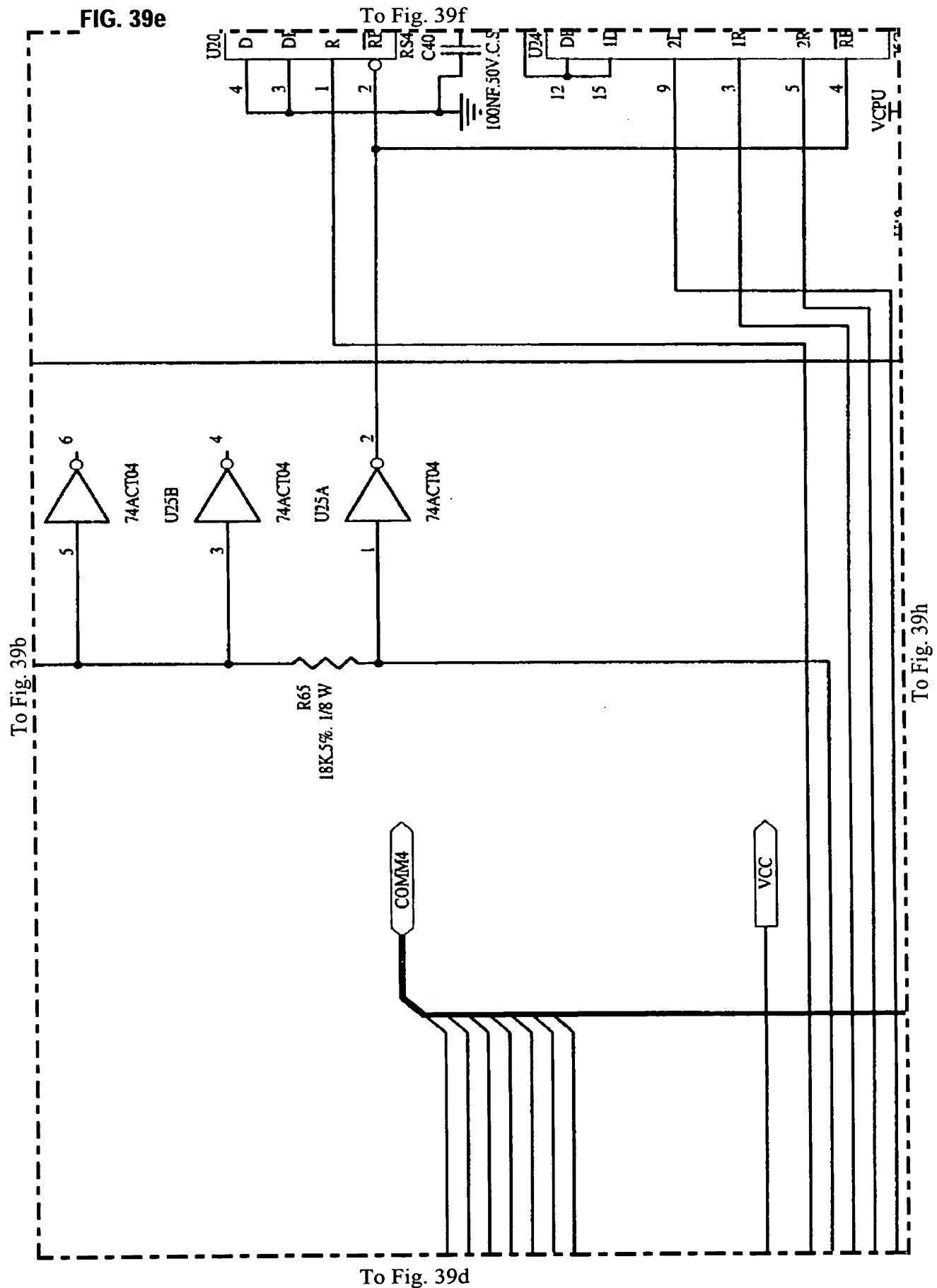
COMMUNICATIONS CARD CONNECTOR

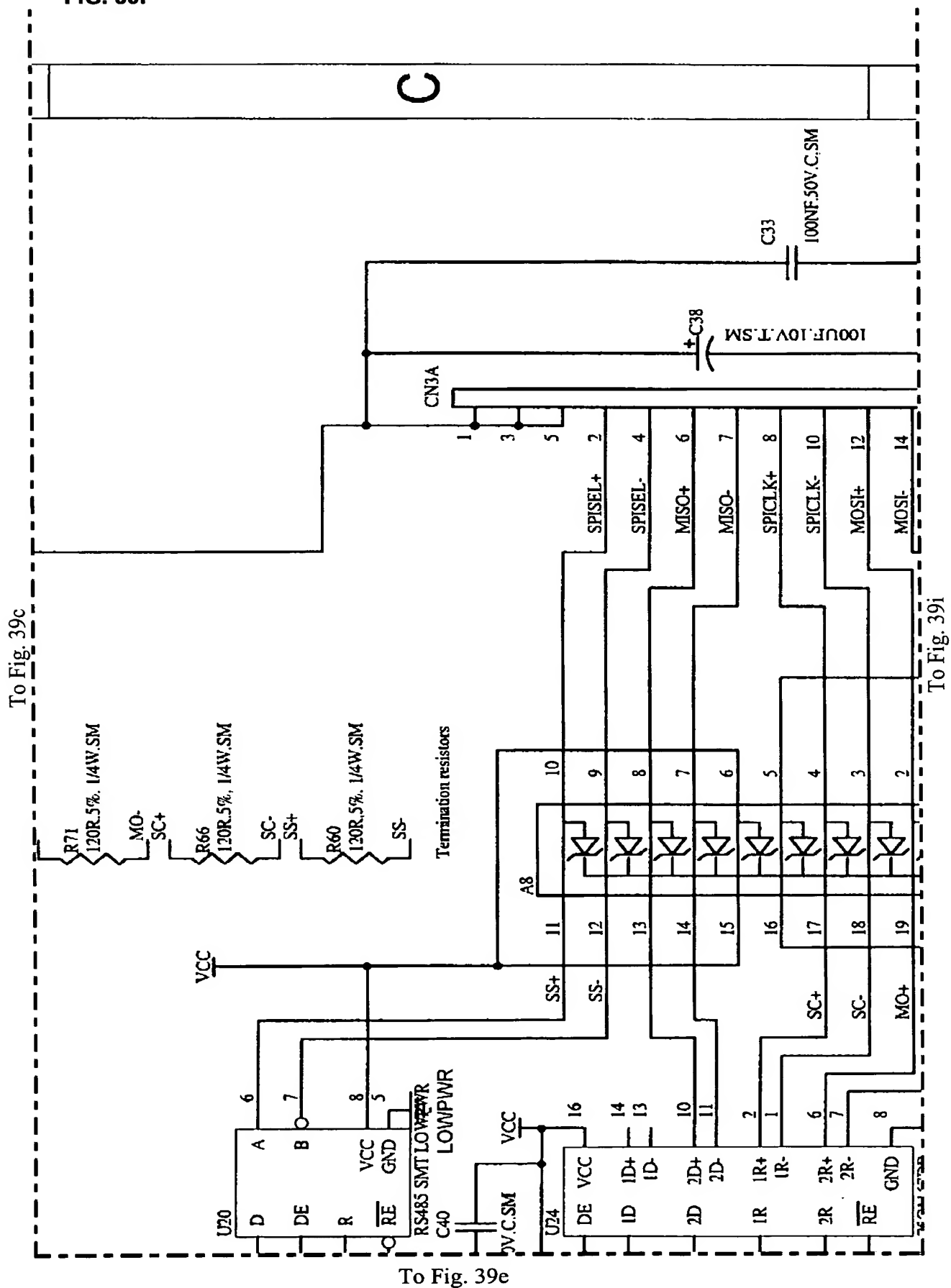
RA-50PINBOARDLEVELCONNECTOR
P2

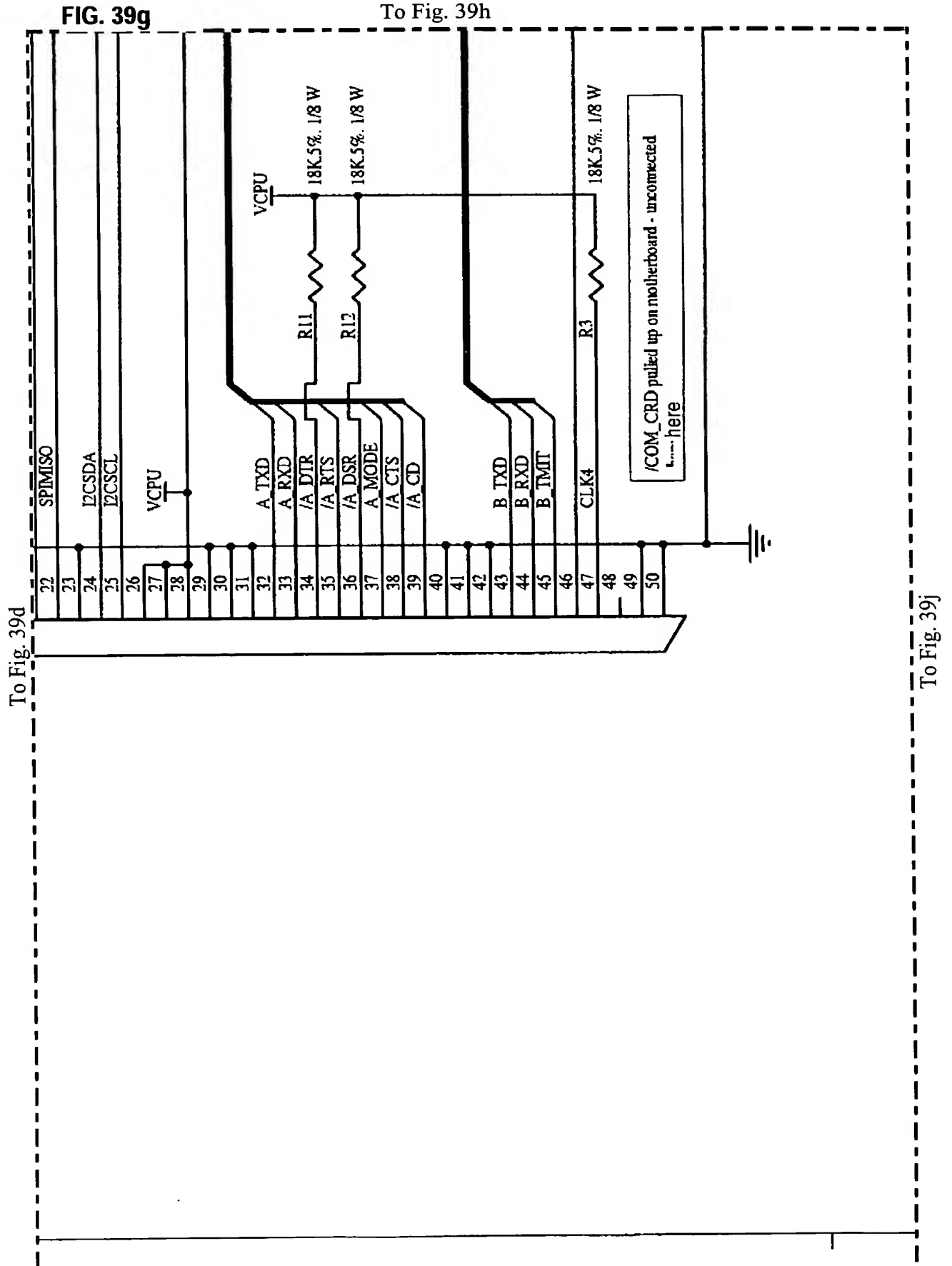


To Fig. 39g

To Fig. 39e







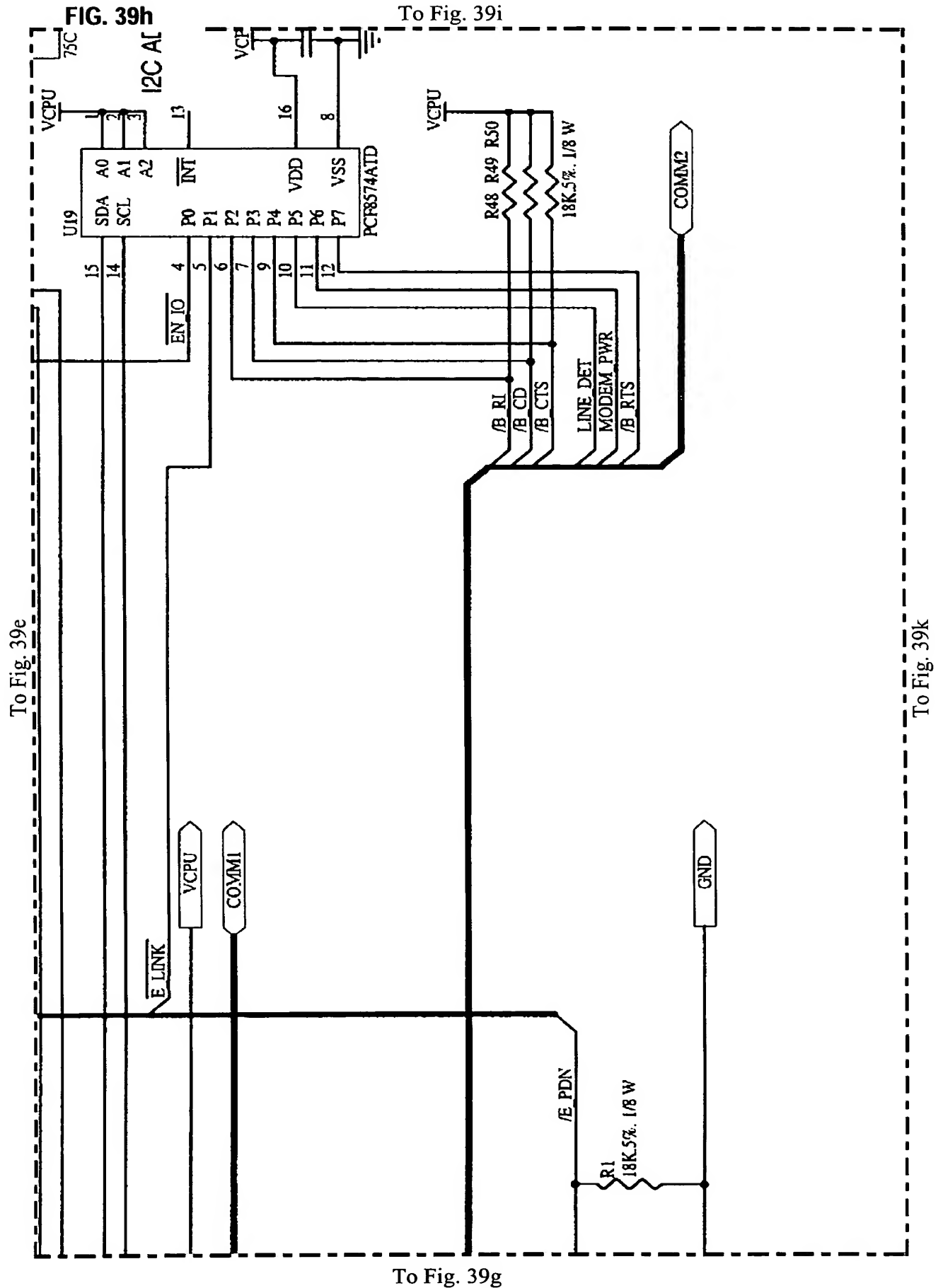
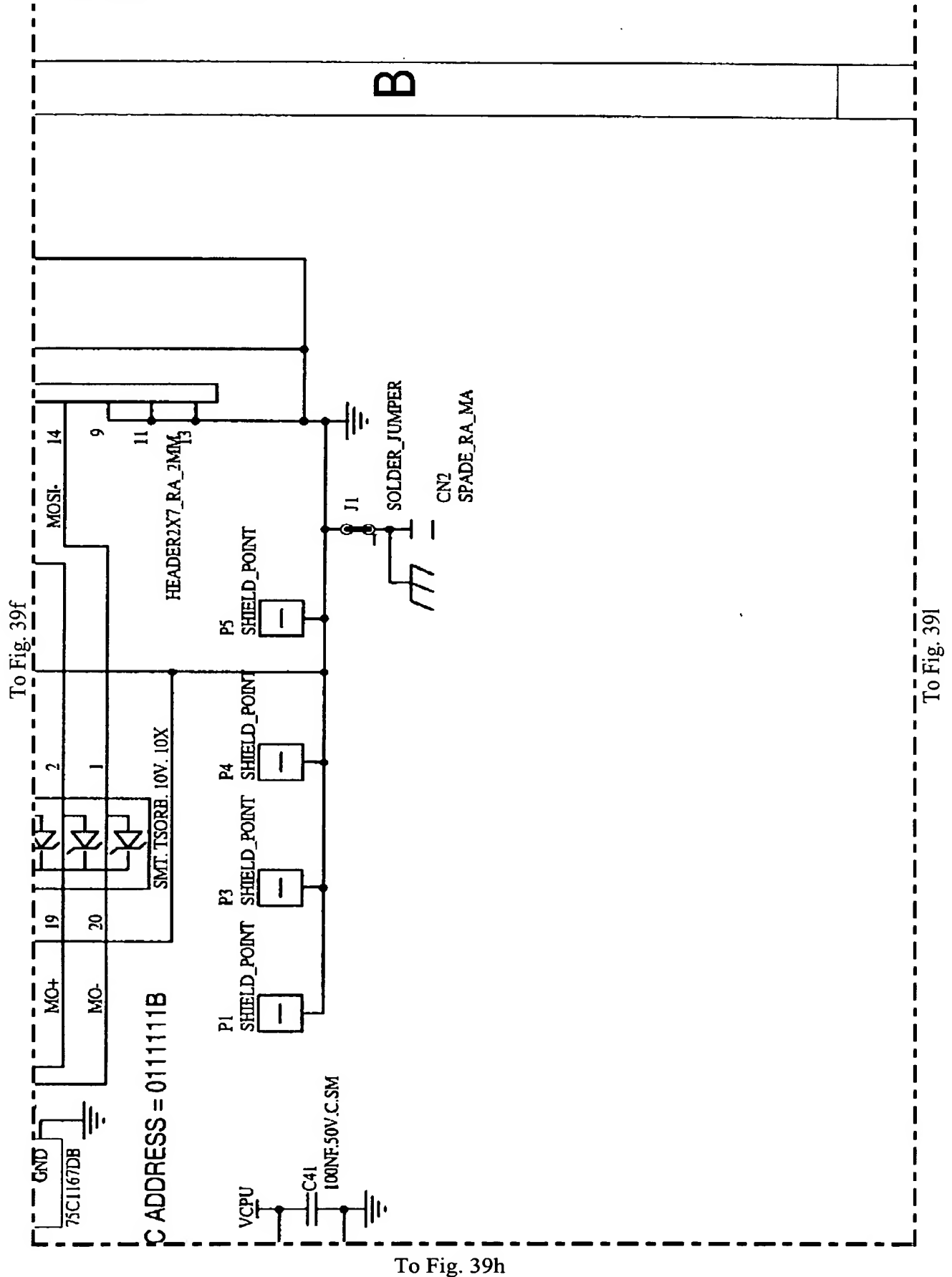
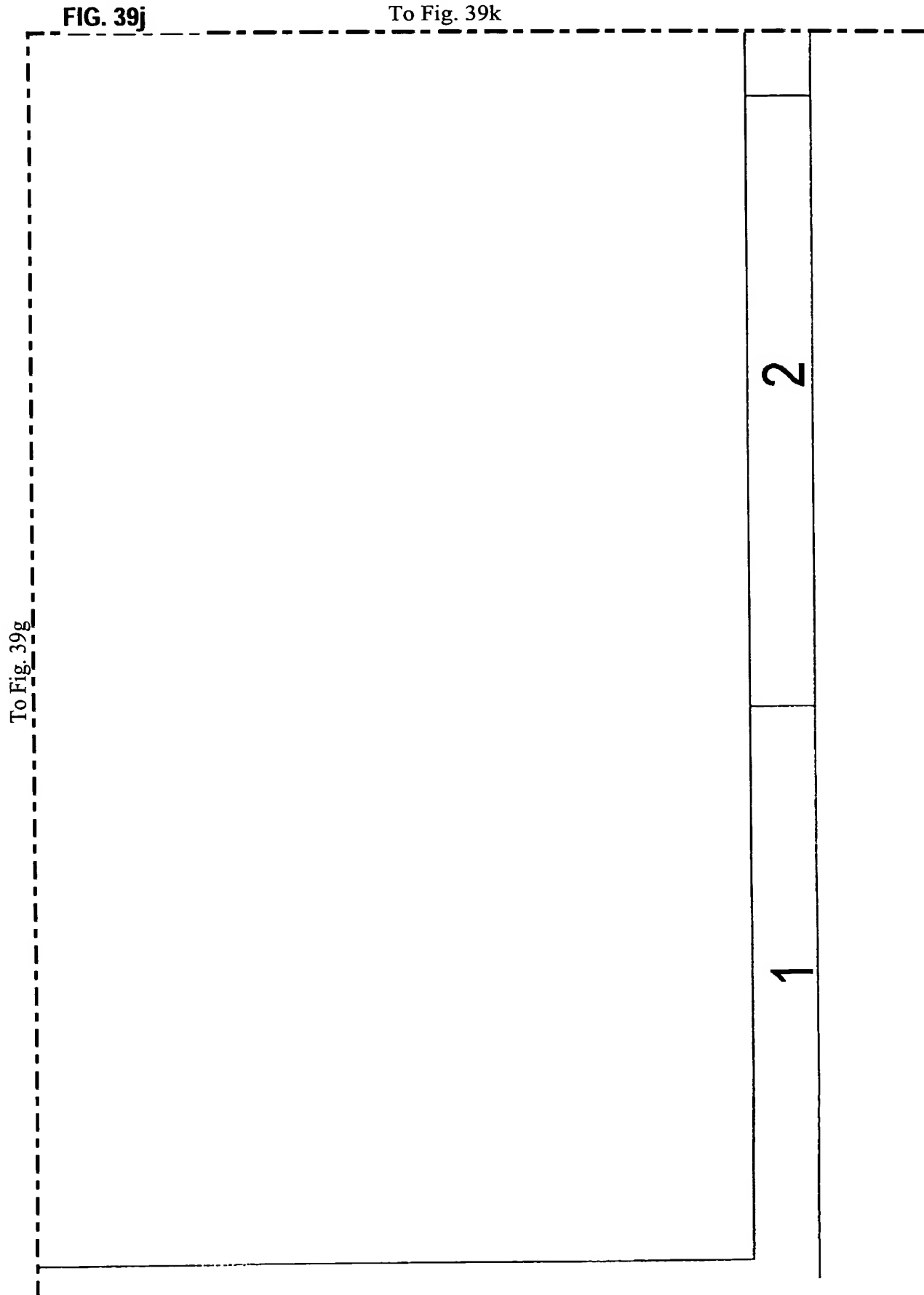


FIG. 39i



To Fig. 39h

To Fig. 39l



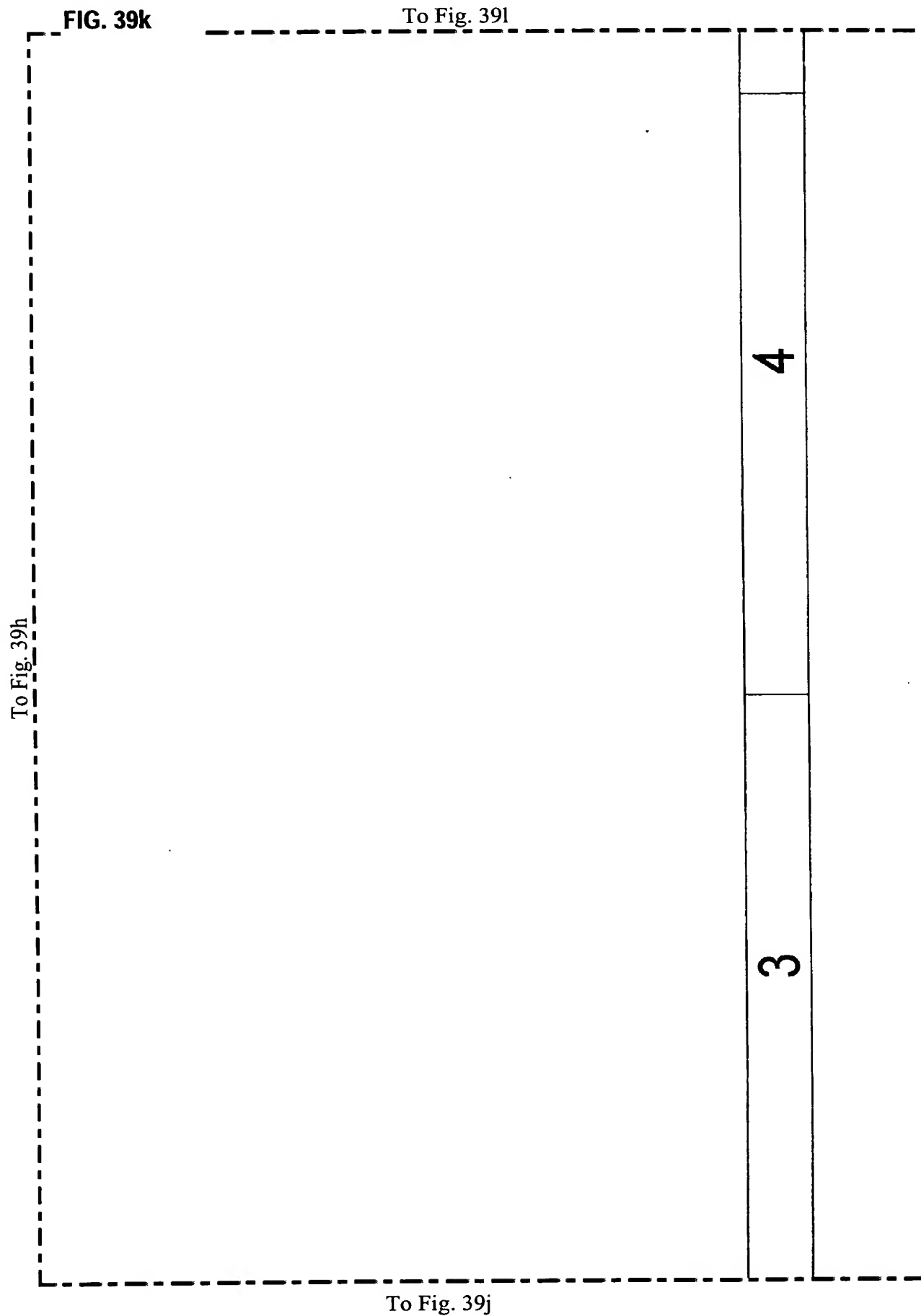


FIG. 39I

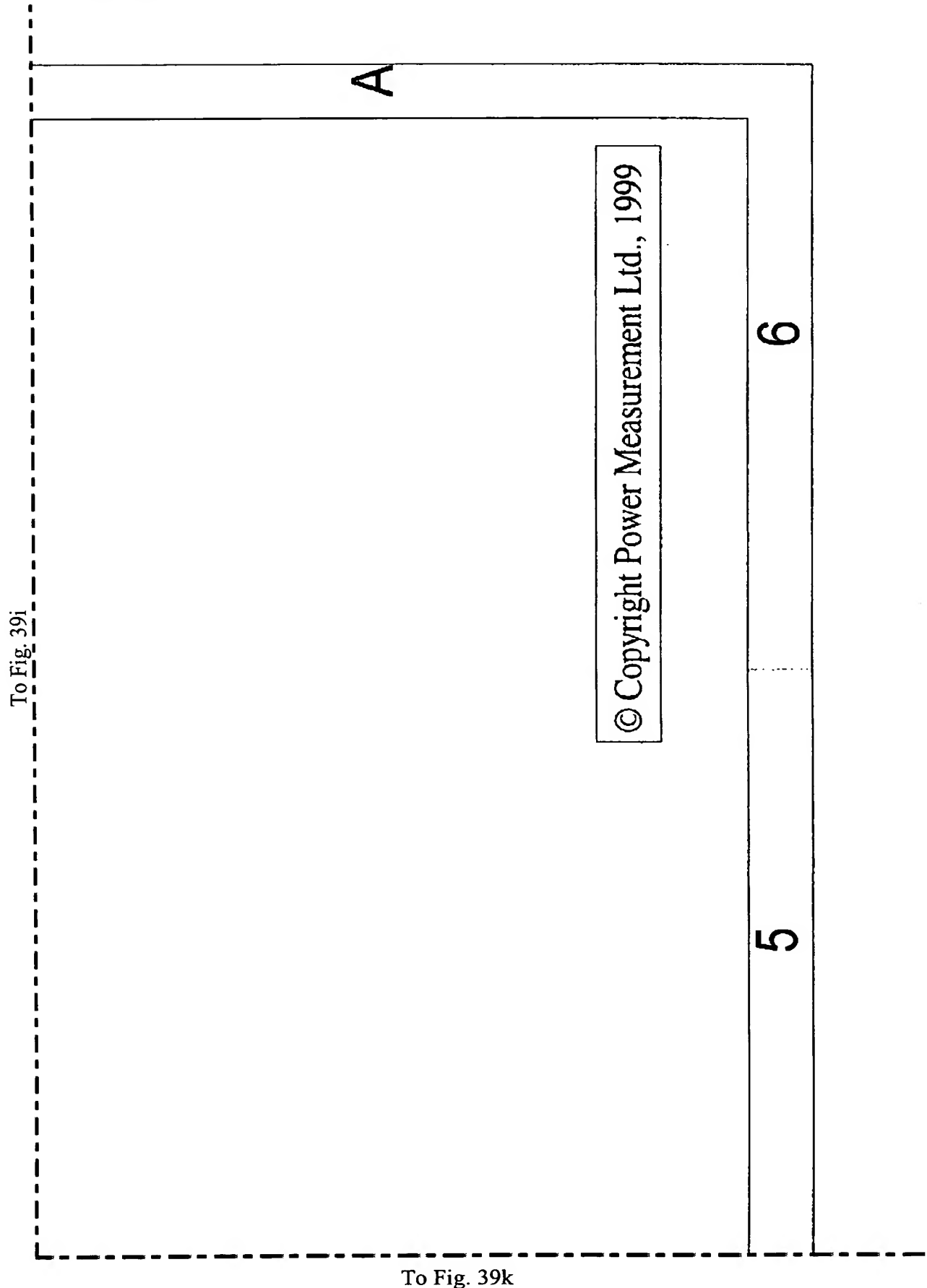
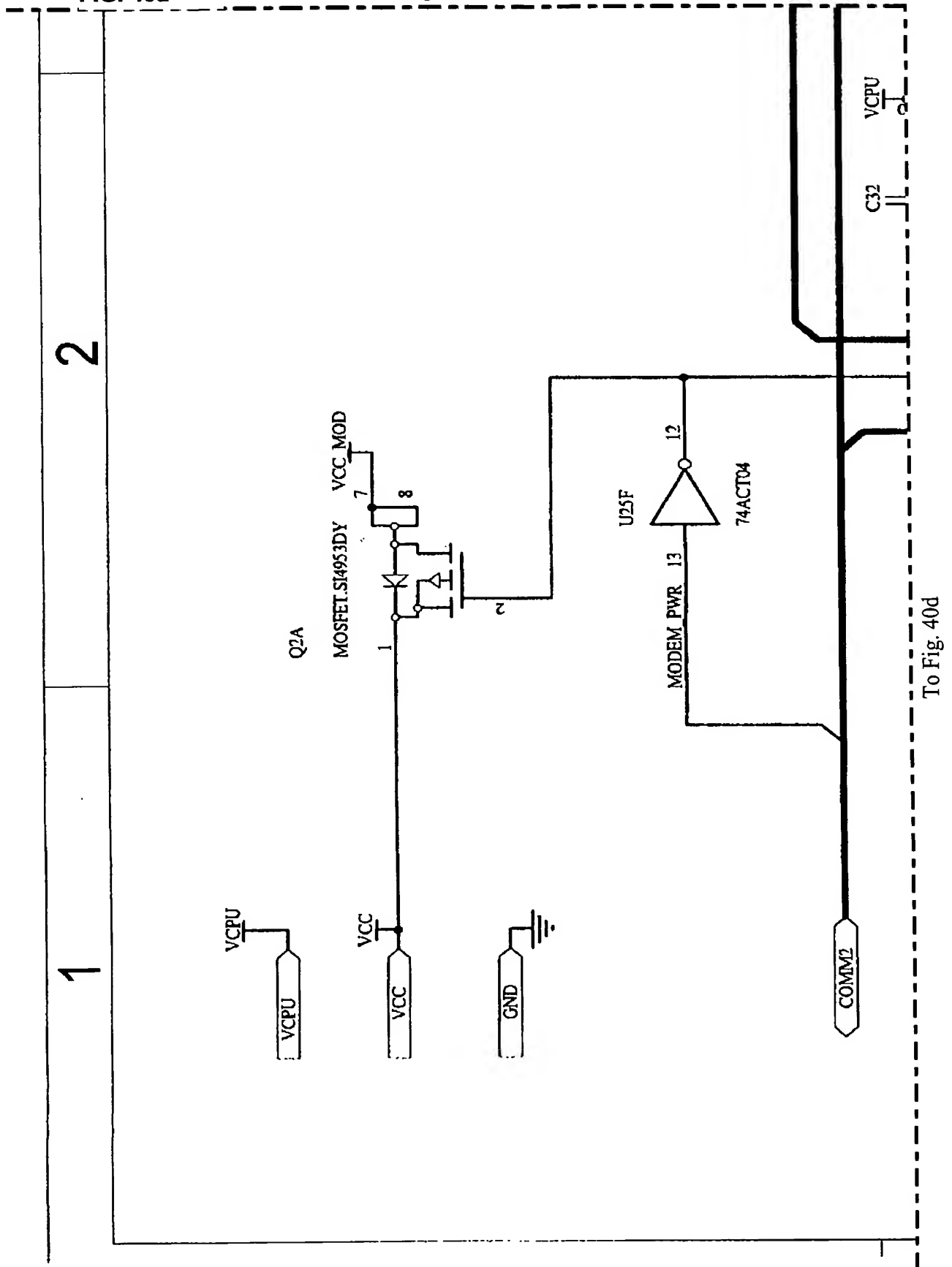


FIG. 40a

To Fig. 40b



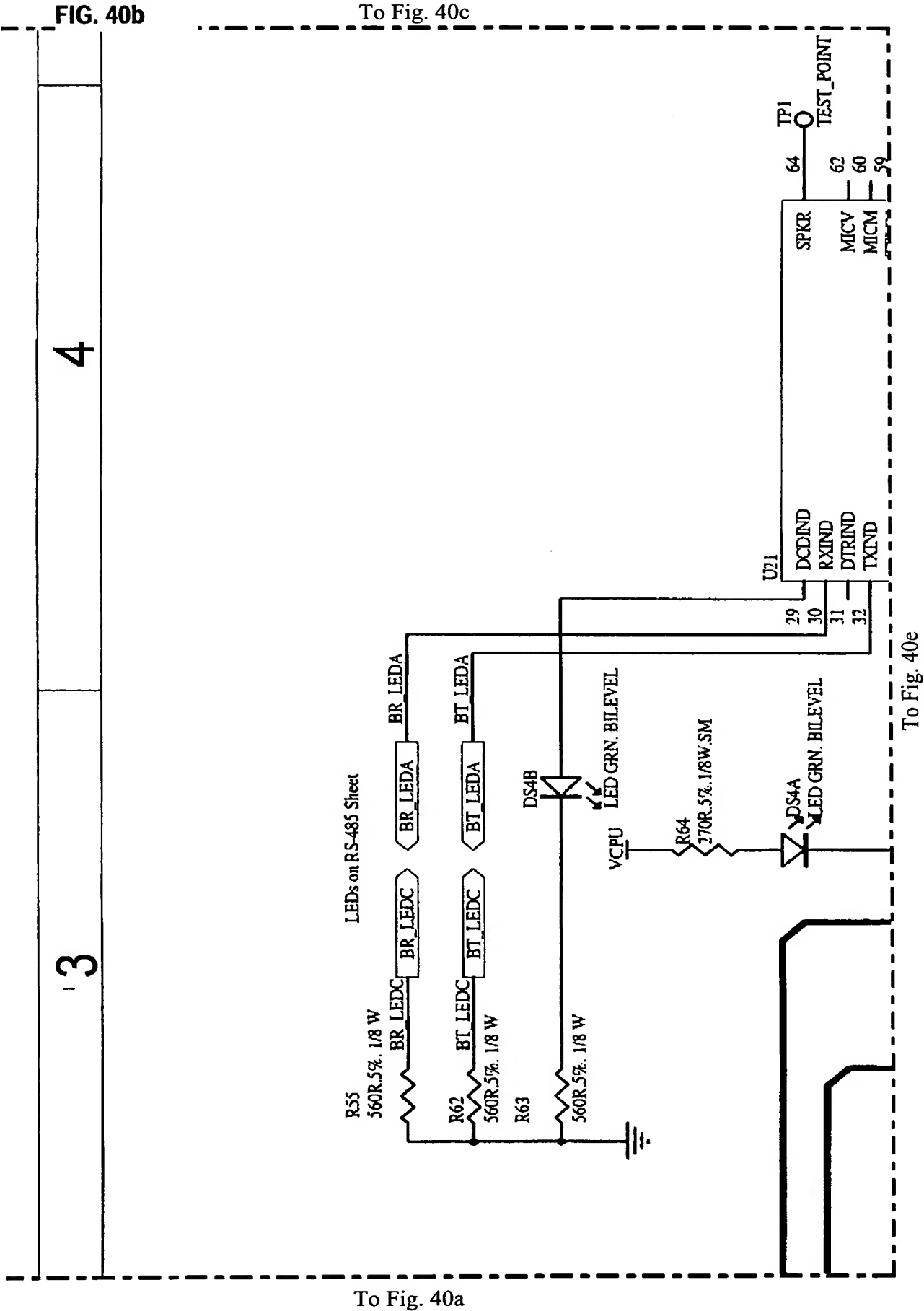
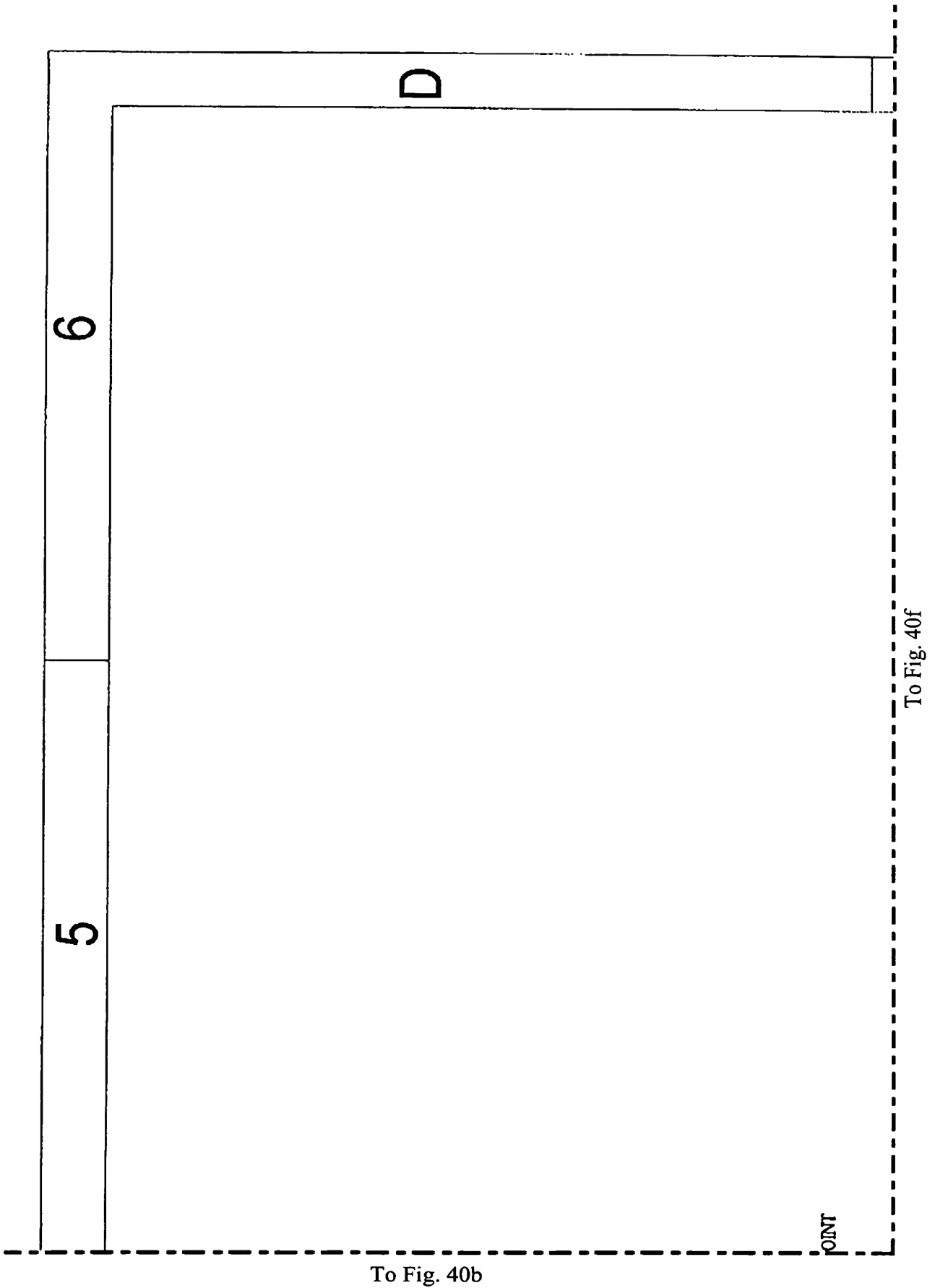
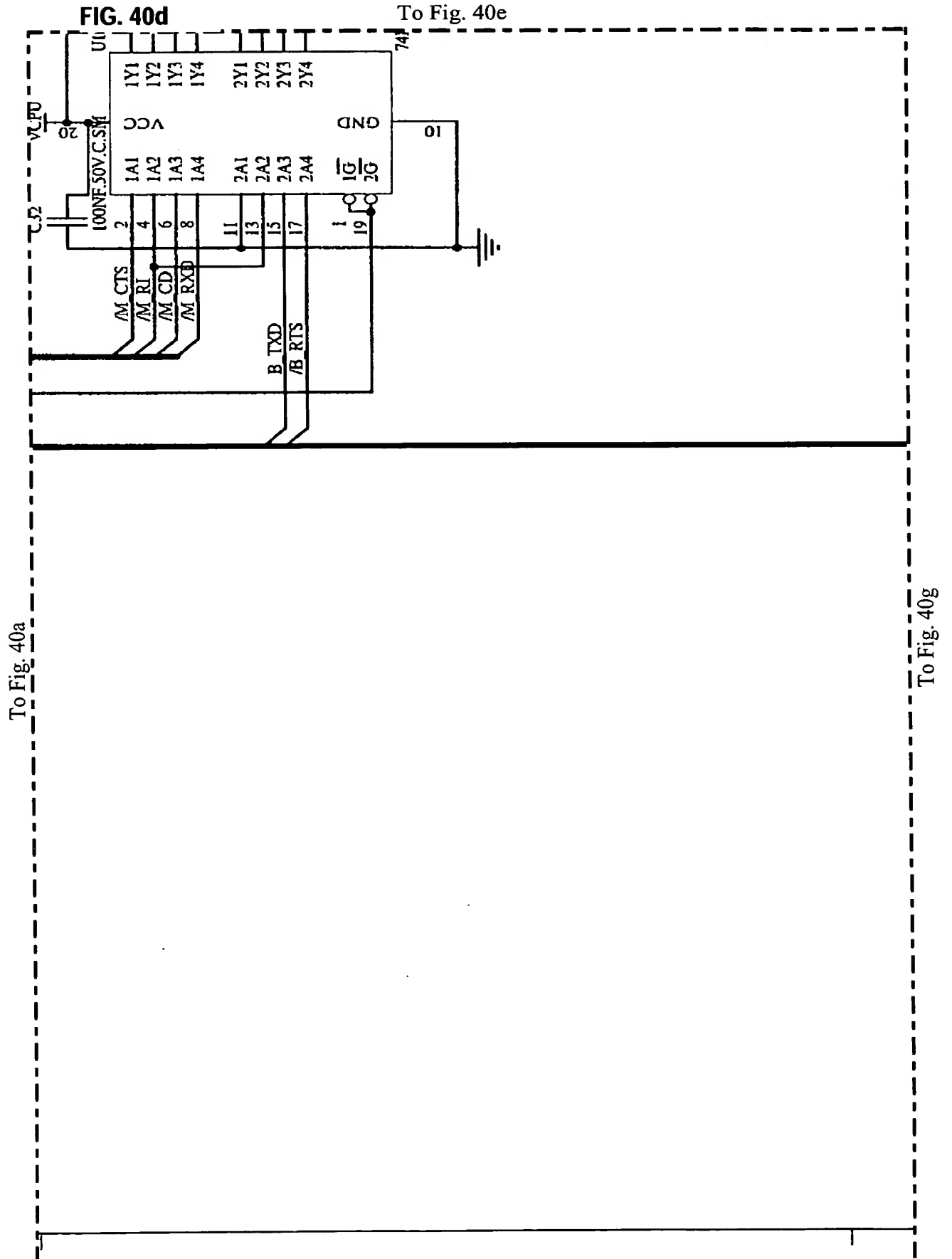


FIG. 40c





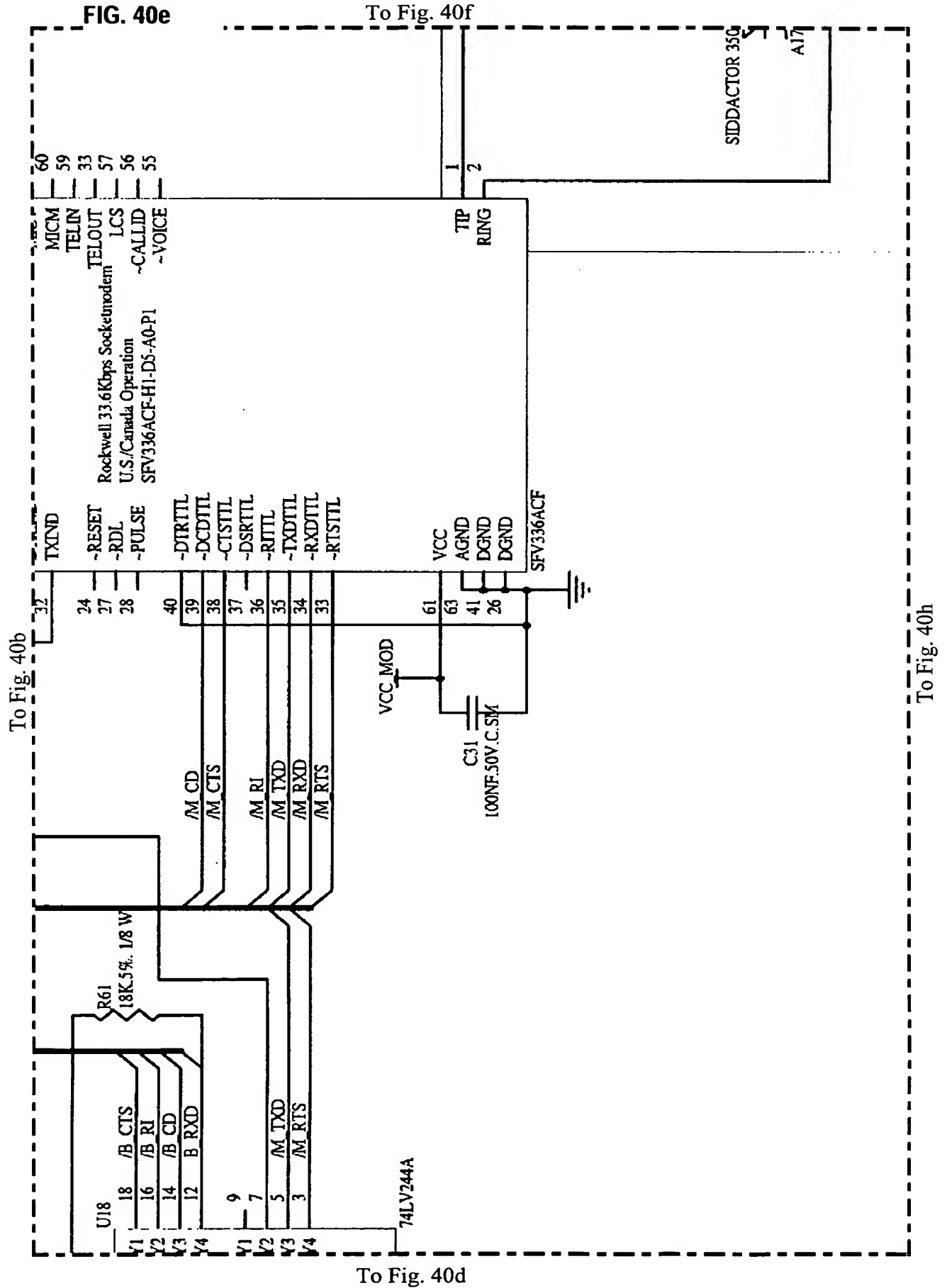
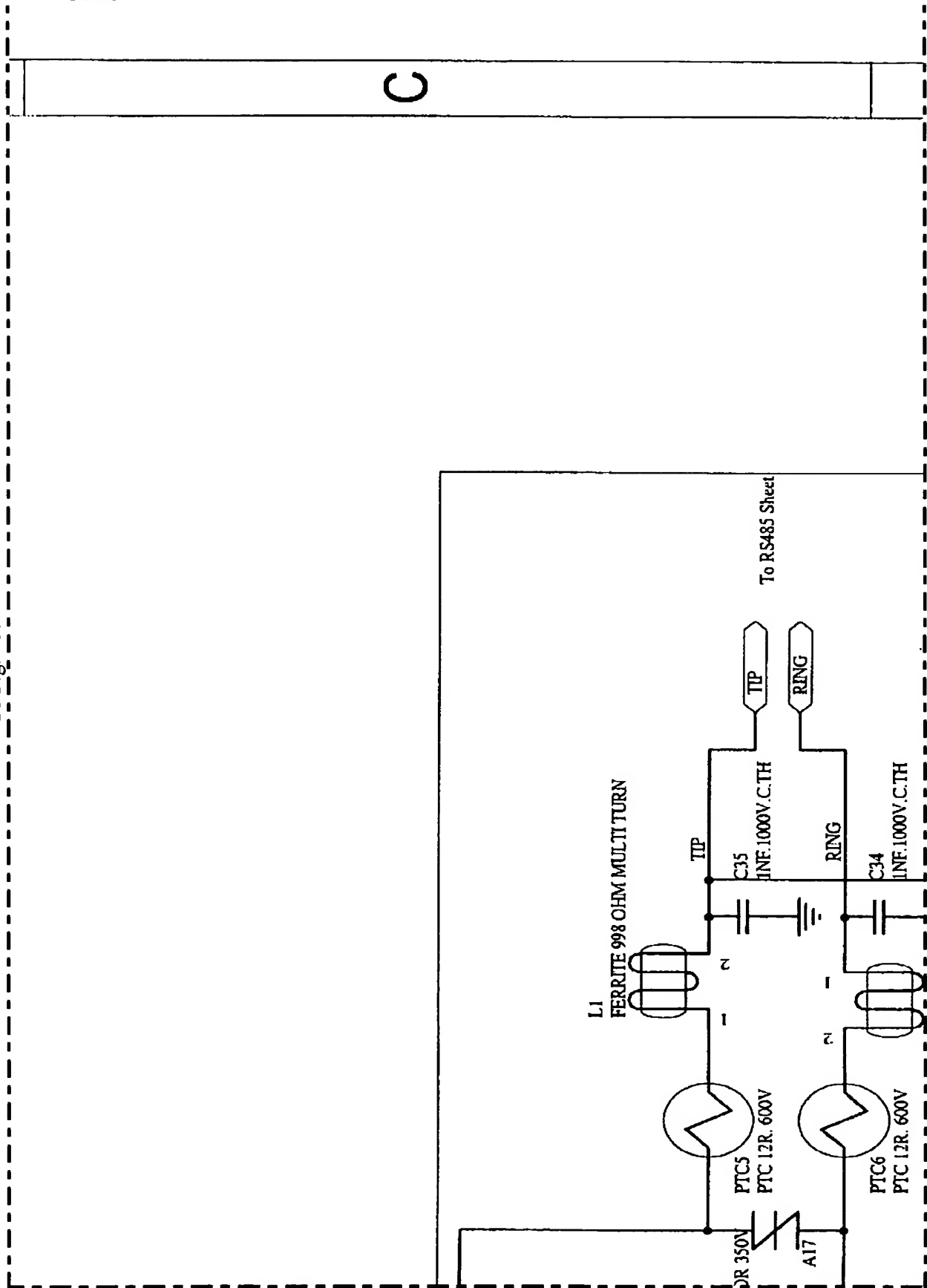


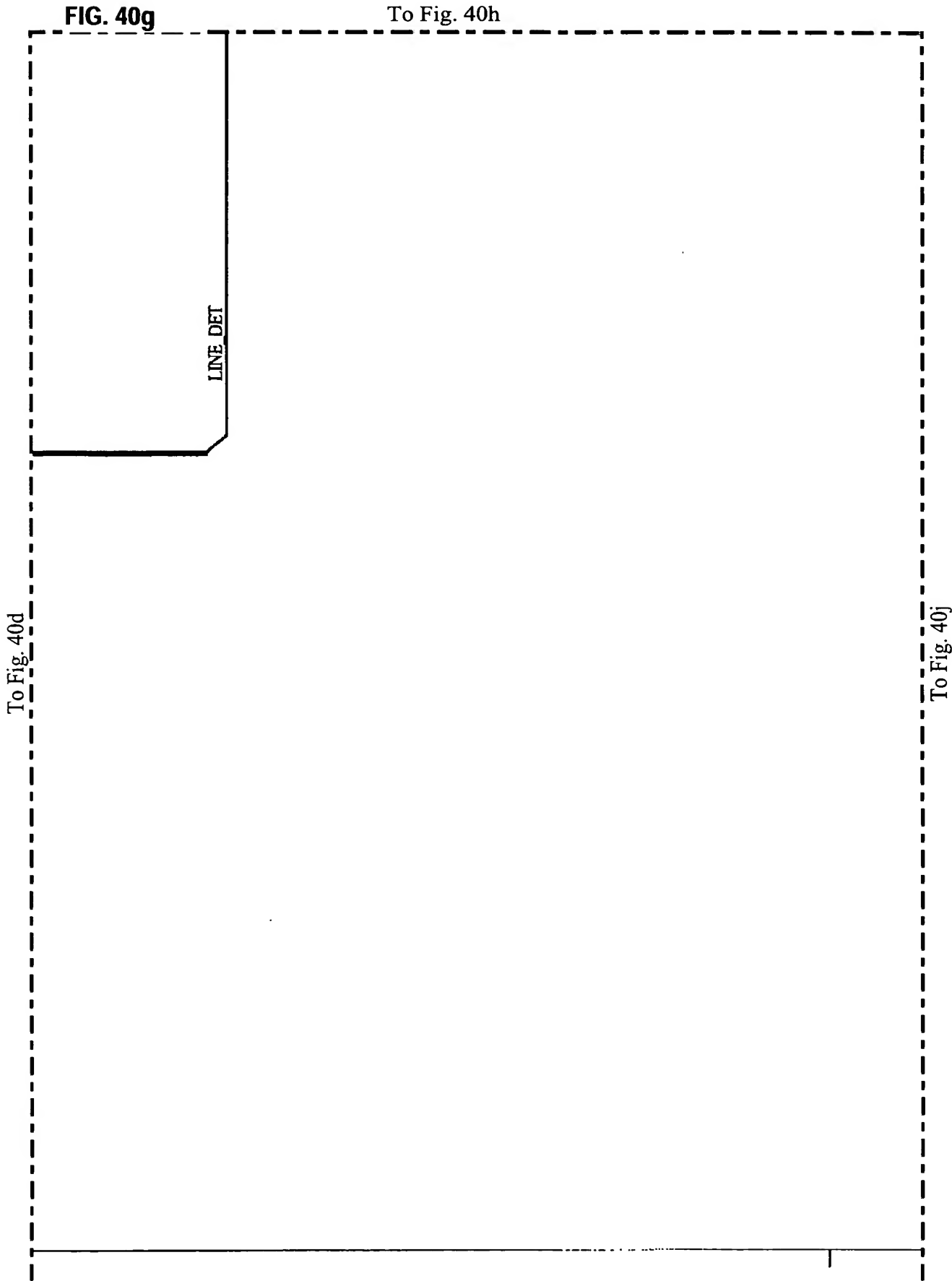
FIG. 40f

To Fig. 40c

To Fig. 40e

To Fig. 40i





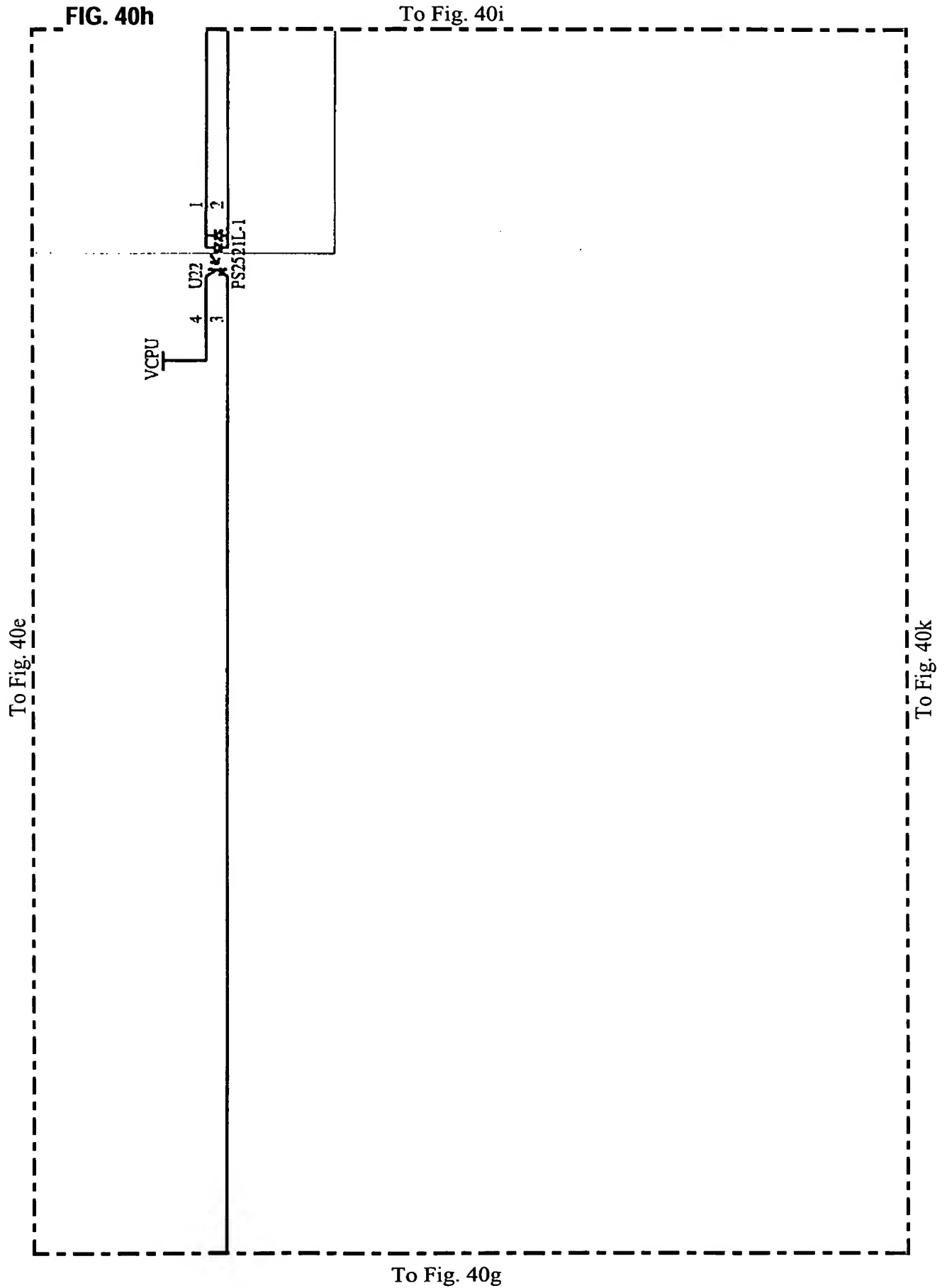
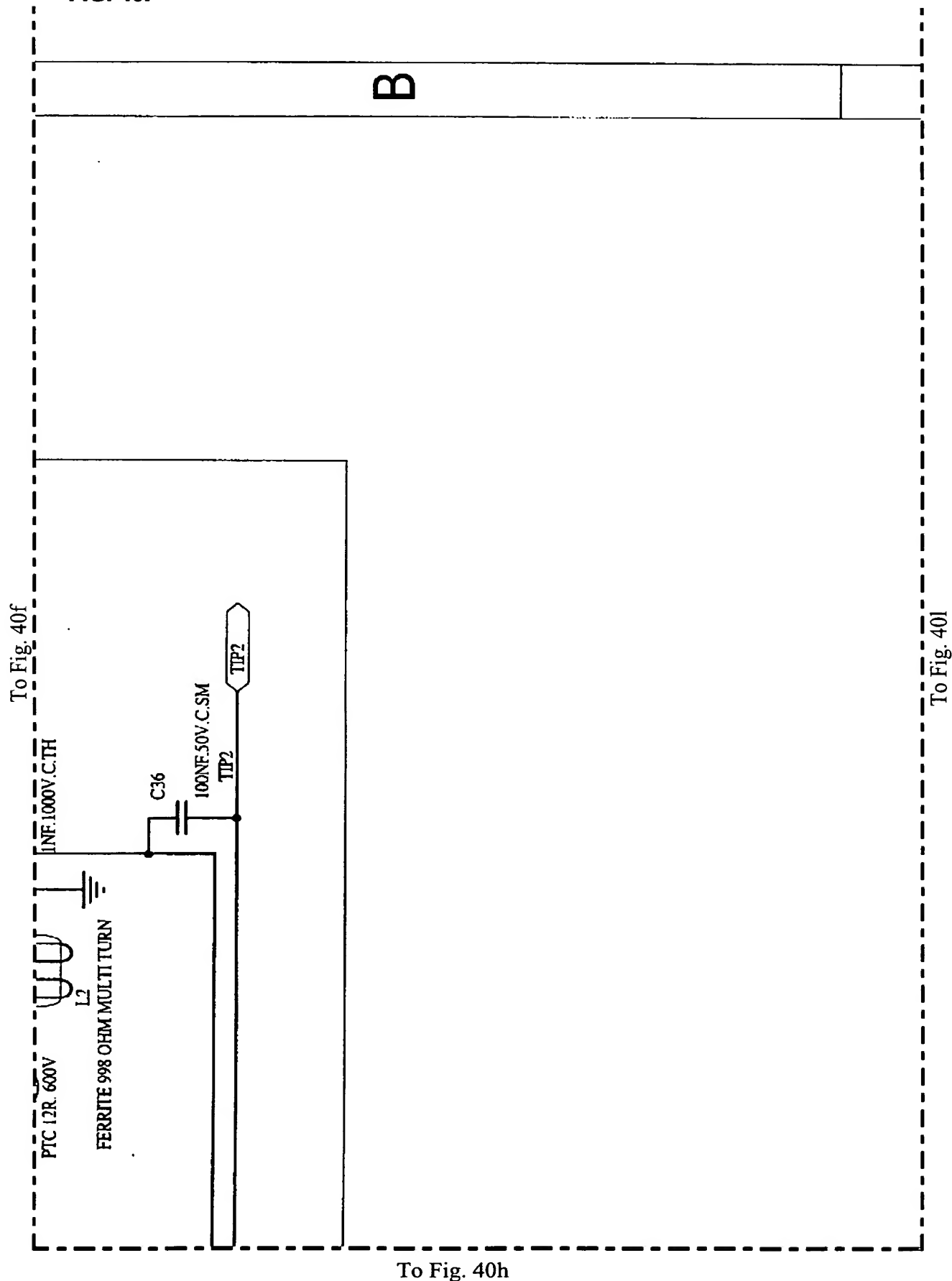
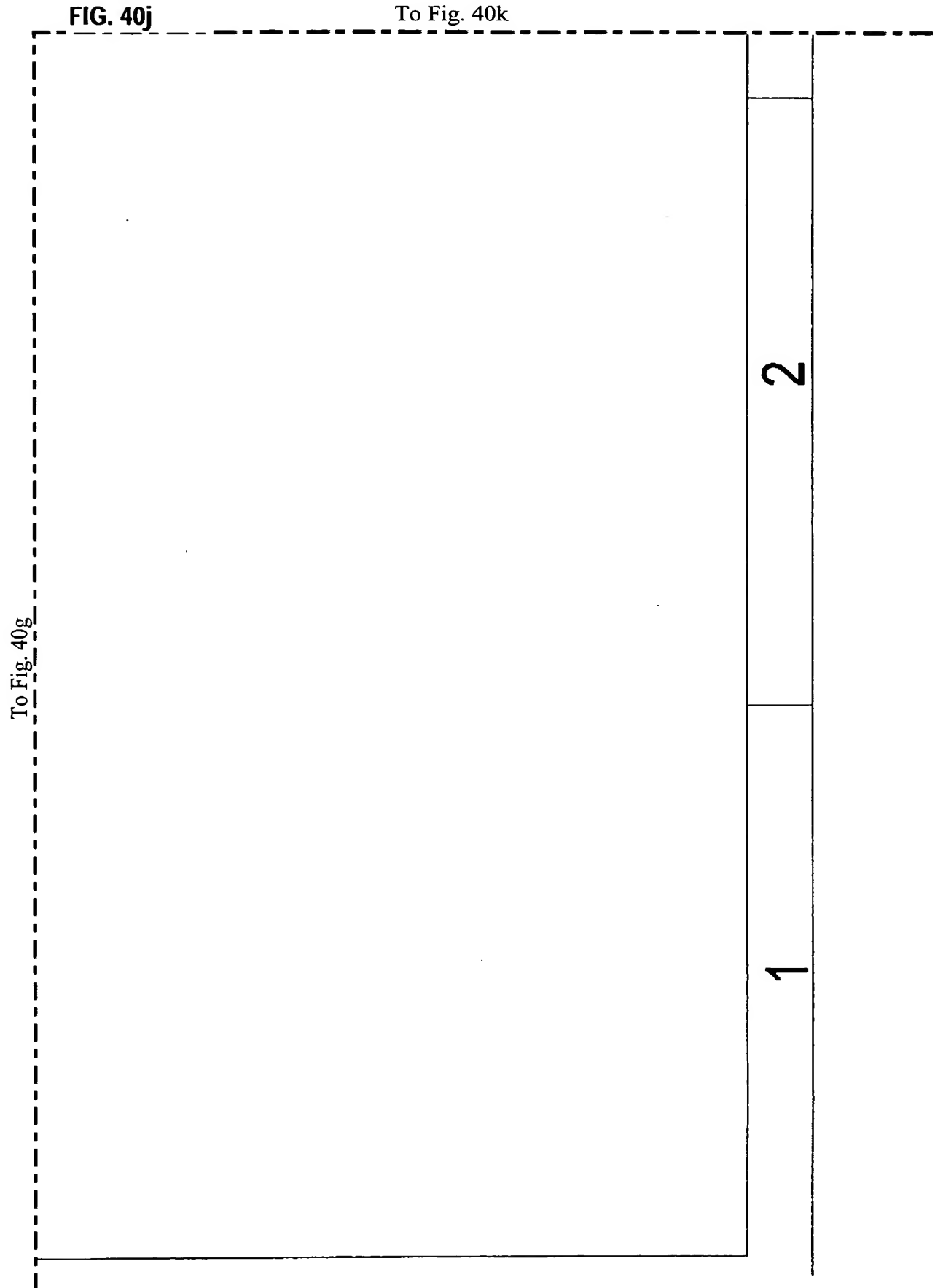


FIG. 40i



To Fig. 40h

To Fig. 40l



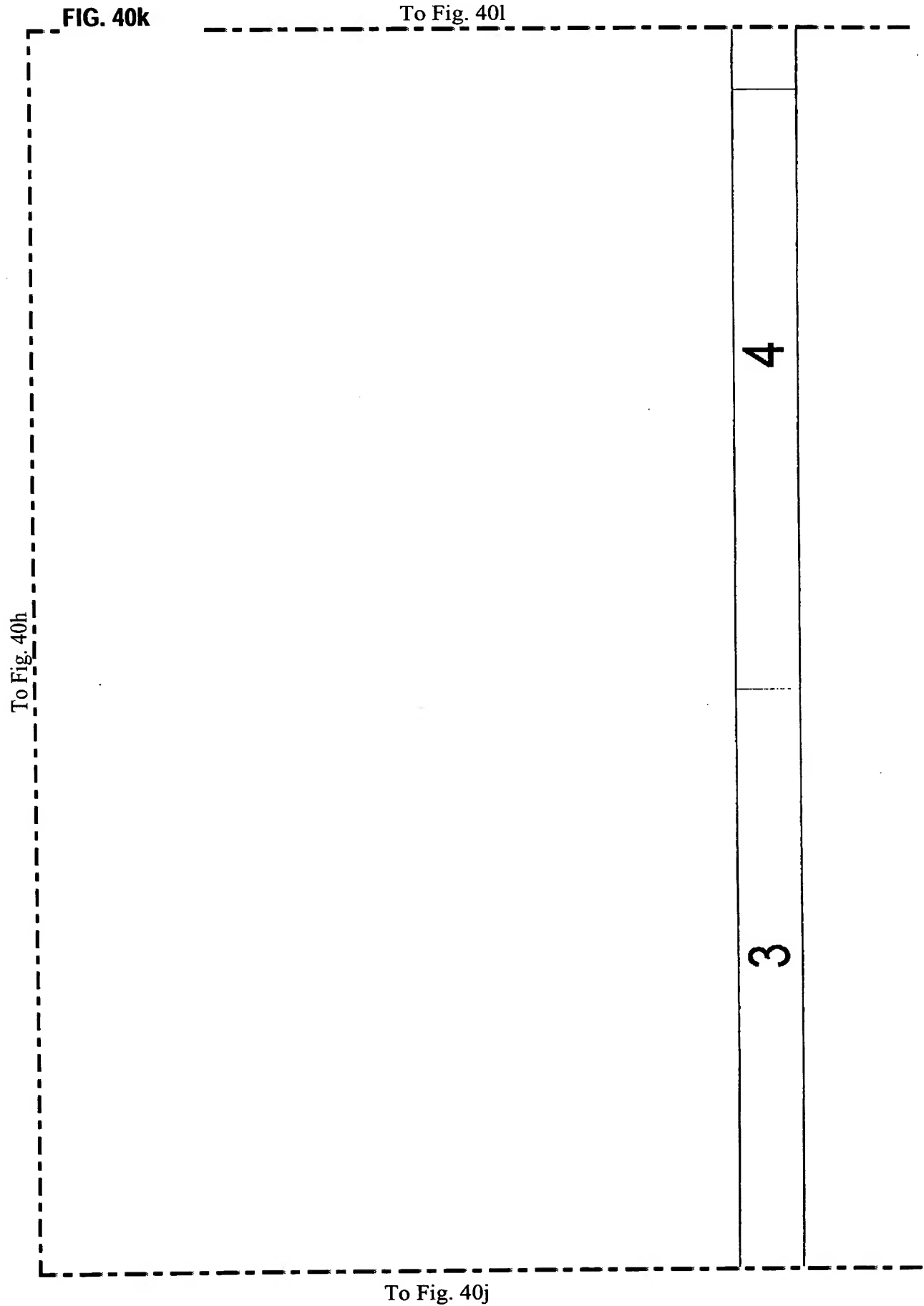


FIG. 40i

